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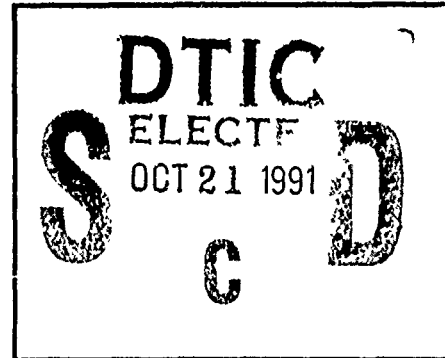
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OPERATING LOCATION - A

USAFETAC

Air Weather Service (MAC)



REVISED UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATIONS

WAKE ISLAND
N 19 17 W 166 38 ELEV 14 FT MSC #912450
PWAK

PARTS A - F HOURS SUMMARIZED: 0000 - 2300 LST

PERIOD OF RECORD:

HOURLY OBSERVATIONS: JAN 77 - DEC 86

SUMMARY OF DAY DATA: NOV 49 - DEC 86

TIME CONVERSION GMT TO LST +12

26 MAR 1987

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Distribution Unlimited."

ASHEVILLE, N.C. 28801 - 2723

REVIEW AND APPROVAL STATEMENT

USAFETAC/DS-91/137, Revised Uniform Summary of Surface Weather Observations (RUSSWO) for Wake Island, has been reviewed and is approved for public release. There is no objection to unlimited distribution of this document to the public at large, or by the Defense Technical Information Center (DTIC) to the National Technical Information Service (NTIS).

FOR THE COMMANDER

A handwritten signature in dark ink, appearing to read "Walter S. Burghmann", with a long horizontal flourish extending to the right.

WALTER S. BURGMANN
Scientific and Technical Information
Program Manager

REPORT DOCUMENTATION PAGE

2. Report Date: Mar 1987
3. Report Type and Dates Covered: Data Summary (RUSSWO) Nov 49-Dec 86
4. Title: Revised Uniform Summary of Surface Weather Observations for Wake Island, MSC 912450
7. Performing Organization Name and Address: Operating Location A, USAF Environmental Technical Applications Center (OL-A, USAFETAC), Federal Building, Asheville, NC 28801-2723
8. Performing Organization Report Number: USAFETAC/DS--91/137
12. Distribution/Availability Statement: Approved for public release; distribution is unlimited.
13. Abstract: A Revised Uniform Summary of Surface Weather Observations (RUSSWO) for Wake Island. See USAFETAC/TN-83/OO1 (AD-132186) for a complete description of the RUSSWO and its contents, as well as instructions for use.
14. Subject Terms: CLIMATOLOGY, WEATHER, WEATHER STATIONS, WEATHER OBSERVATIONS, STATISTICS, METEOROLOGICAL PHENOMENA, ATMOSPHERIC PHENOMENA, ATMOSPHERIC PRESSURE, PRECIPITATION, VISIBILITY, WIND, CLOUD, CLOUD CEILING, SKY COVER, PSYCHROMETRIC DATA, TEMPERATURE, RELATIVE HUMIDITY, WAKE, ISLAND, WAKE ISLAND
15. Number of Pages: 406
17. Security Classification of Report: Unclassified
18. Security Classification of this Page: Unclassified
19. Security Classification of Abstract: Unclassified
20. Limitation of Abstract: UL

I HAVE REVIEWED AND FOUND SATISFACTORY THIS PRODUCT

3/26/87

9/7/87

HM Fountain

26 mar 87

The number that identifies the station in this summary is an AWS Master Station Catalog number. This number is comprised of the WMO number with the addition of a suffix zero; or, in cases where there is no designated WMO number, a 5-digit number created in agreement with WMO rules, plus a sixth qualifying digit. These numbers (also referred to as DATSAV or USAFETAC numbers) uniquely identify each of more than 15,000 reporting stations around the world. This is the provenance of the number (e.g., MSC 999999) which will appear on future OL-A standard products.

REVISED UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATIONS

HOURLY OBSERVATIONS

Hourly observations are defined as those record or record-spect observations recorded at scheduled hourly intervals.

DAILY OBSERVATIONS

Daily observations are collected from all data recorded on reporting forms and combined into Summary of the Day observations. (Selected from record-spect, local, summary of the day, remarks, etc.)

DESCRIPTION OF SUMMARIES

Preceding each section is a brief description of the data comprising each part of the Revised Uniform Summary of Surface Weather Observations and the manner of presentation. Tabulations are prepared from hourly and daily observations recorded by stations operated by the U. S. Service and some (certain stations using similar reporting practices).

Unless otherwise noted the following summaries are included for this station:

PART A WEATHER CONDITIONS

ATMOSPHERIC PHENOMENA

PART B PRECIPITATION

SNOWFALL

SNOW DEPTH

PART C SURFACE WINDS

PART D CEILING VERSUS VISIBILITY

SKYCOVER

PART E DAILY MAX, MIN, & MEAN TEMP

EXTREME MAX & MIN TEMP

PSYCHROMETRIC-DRY VS WET BULB

MEAN & STD DEV.

(DRY BULB, WET BULB, & DEW POINT)

RELATIVE HUMIDITY

PART F STATION PRESSURE

SEA LEVEL PRESSURE

STANDARD 3-HOUR GROUPS

All summaries requiring diurnal variations are summarized in eight 3-hour periods corresponding to the following sets of hourly observations: 0000-0300, 0300-0600, 0600-0900, 0900-1200, 1200-1500, 1500-1800, 1800-2100, 2100-2300 hours local standard time.

MISSING HOUR GROUPS

Summary sheets are omitted when stations maintaining limited observing schedules did not report certain three-hour periods for any particular month during the available period of record. Such missing sheets are listed below, and are applicable to all summaries prepared from hourly observations.

JANUARY _____
FEBRUARY _____
MARCH _____

APRIL _____
MAY _____
JUNE _____

JULY _____
AUGUST _____
SEPTEMBER _____

OCTOBER _____
NOVEMBER _____
DECEMBER _____

STATION NO ON SUMMARY		STATION NAME		LATITUDE		LONGITUDE		FIELD ELEV (FT.)		CALL SIGN		WMO NUMBER	
912450		WAKE ISLAND AFld PN		N 19 17		E 166 39		12 ft		FWAK		91245	

STATION LOCATION AND INSTRUMENTATION HISTORY

NUMBER OF LOCATION	GEOGRAPHICAL LOCATION & NAME	TYPE OF STATION	AT THIS LOCATION		LATITUDE	LONGITUDE	ELEVATION ABOVE MSL		OBS PER DAY
			FROM	TO			FIELD (FT)	HT. BARO.	
1	Wake Island NAV PN	NAS	Jan 46	Dec 47	N 19 17	E 166 36	12 ft	16 ft	24
2	Wake Island IAP PN	WBAS	Nov 49	Dec 64	Same	E 166 39	Same	Same	24
3	Wake Island Afld PN	Same	Jan 65	Mar 87	Same	Same	Same	Same	24

NUMBER OF LOCATION	DATE OF CHANGE	SURFACE WIND EQUIPMENT INFORMATION				REMARKS, ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE.
		LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT ABOVE GROUND	
1	Jan 46	N/A	Anemometer	N/A	N/A	
2	Nov 49	Located on the tower.	Same	N/A	69 ft	
3	May 51	Same	F420B	N/A	Same	
4	Dec 57	Same	Same	N/A	55 ft	
5	Feb 58	Located on roof of bldg.	Same			
6	Jul 63	Located on mast on the field.	F420C	F312	41 ft	
7	May 66	1. Located on mast on the field.	1.F420C	Same	21 ft	
		2. Located on mast on the field.	2.F102 & F005	Same	21 ft	
8	Mar 87	1. Same				
		2. Same				

PART A

WEATHER CONDITIONS

This summary is a percentage frequency occurrence of various atmospheric phenomena and obstructions to vision, derived from hourly observations, and is presented in two tables as follows:

1. By month and annual, all hours and years combined.
2. By month, all years combined, by standard 3-hour groups.

A percent value of ".0" in these tables indicates less than .05 percent, which is usually only one occurrence. The various phenomena included in each category on the forms are listed below:

Thunderstorms - All reported occurrences of thunderstorm, tornado, and waterspout.

Rain and/or drizzle - All liquid precipitation, falling to the ground, not freezing.

Freezing rain and/or freezing drizzle (glaze) - Precipitation falling in liquid form, but freezing on contact with an unheated surface.

Snow and/or sleet (ice pellets) - Included are snow, snow pellets, sleet, snow grains, ice crystals, and ice pellets from Jan 68 and later. (Snow pellets also known as soft hail)

Hail - Occurrences of hail and small hail are included.

Percentage of observations with precipitation - Included in this category are the observations when one or more of the above phenomena occurred. Since more than one type of precipitation may be reported in the same observation, the sums of the individual categories may exceed the percentages of the observations with precip.

Fog - Included are fog, ice fog, and ground fog.

Smoke and/or haze - Occurrences of smoke, haze, or combinations of smoke and haze are included.

Blowing snow - Occurrences of blowing snow (also drifting snow when reported from non-WBAN sources).

Dust and/or sand - Included are blowing dust, blowing sand, and dust.

Continued on Reverse

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

912450 STATION WAKE ISLAND STATION NAME 77-86 YEARS JAN MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING- RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBS TO VISION	TOTAL NO. OF OBS.
JAN	00-02		2.5				2.5						892
	03-05		4.1				4.1						783
	06-08		5.1				5.1						825
	09-11		4.0				4.0						872
	12-14	.1	4.0				4.0		.1			.1	880
	15-17		2.9				2.9						874
	18-20		3.0				3.0	.1				.1	877
	21-23		5.1				5.1						889
TOTALS		.0	3.8				3.8	.0	.0			.0	6892

WEATHER CONDITIONS

912450 STATION WAKE ISLAND STATION NAME 77-86 YEARS FEB MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBS TO VISION	TOTAL NO. OF OBS.
FEB	00-02		3.4				3.4						821
	03-05		4.5				4.5						715
	06-08		3.9				3.9						746
	09-11		2.8				2.8						794
	12-14		3.0				3.0		.1			.1	805
	15-17		2.6				2.6						794
	18-20		3.3				3.3						798
	21-23		3.1				3.1						808
TOTALS			3.3				3.3		.0			.0	6281

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

912450 STATION WAKE ISLAND STATION NAME 77-86 YEARS MAR MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
MAR	00-02		4.4				4.4						894
	03-05		6.0				6.0						731
	06-08		6.3				6.3		.1			.1	830
	09-11		4.8				4.8		.2			.2	862
	12-14		5.2				5.2		.1			.1	884
	15-17		4.0				4.0		.7			.7	849
	18-20		2.7				2.7		.5			.5	884
	21-23		4.1				4.1						884
TOTALS			4.7				4.7		.2			.2	6818

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

912450
STATION

WAKE ISLAND

STATION NAME

77-86

YEARS

APR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS. WITH OBST. TO VISION	TOTAL NO. OF OBS.
APR	00-02	.3	4.3				4.3		3.1			3.1	877
	03-05		4.7				4.7		2.1			2.1	731
	06-08		4.6				4.6		2.2			2.2	801
	09-11		4.7				4.7		2.9			2.9	855
	12-14		4.6				4.6		3.3			3.3	854
	15-17		5.2				5.2		3.6			3.6	826
	18-20	.3	5.6				5.6		3.3			3.3	868
	21-23	.6	3.3				3.3		3.4			3.4	859
TOTALS		.2	4.6				4.6		3.0			3.0	6671

WEATHER CONDITIONS

912450
STATION

WAKE ISLAND

STATION NAME

77-86

YEARS

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
MAY	00-02	.1	2.2				2.2						864
	03-05		2.6				2.6						777
	06-08		2.4				2.4	.1				.1	830
	09-11		2.4				2.4						861
	12-14		2.7				2.7		.1			.1	877
	15-17		2.1				2.1						811
	18-20		1.4				1.4						874
	21-23	.2	2.1				2.1						889
TOTALS		.0	2.2				2.2	.0	.0			.0	6783

WEATHER CONDITIONS

912450
STATION

WAKE ISLAND
STATION NAME

77-86

YEARS

JUN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JUN	00-02		2.0				2.0						841
	03-05		3.8				3.8						686
	06-08		3.2				3.2						780
	09-11		2.0				2.0						845
	12-14		2.0				2.0						857
	15-17		2.0				2.0						791
	18-20		1.7				1.7						821
	21-23		1.2				1.2						823
TOTALS			2.2				2.2						6444

WEATHER CONDITIONS

912450 STATION WAKE ISLAND STATION NAME 77-86 YEARS JUL MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS. WITH OBS. TO VISION	TOTAL NO. OF OBS.
JUL	00-02		4.1				4.1						851
	03-05		4.1				4.1						682
	06-08	.1	3.6				3.6						801
	09-11		3.3				3.3						866
	12-14		2.8				2.8						882
	15-17		2.6				2.6						812
	18-20	.1	3.6				3.6						840
	21-23		3.1				3.1						850
TOTALS		.0	3.4				3.4						6584

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

912450
STATION

WAKE ISLAND

IN NAME

77-86

YEARS

AUG
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
AUG	00-02	.3	9.9				9.9		.6			.6	903
	03-05		8.5				8.5						766
	06-08	.1	10.2				10.2						843
	09-11		7.7				7.7		.1			.2	856
	12-14	.2	9.1				9.1		.2			.2	880
	15-17	.2	8.2				8.2		.4		.4	.7	831
	18-20	.1	6.7				6.7		.4		.1	.5	857
	21-23	.3	8.6				8.6		.5			.5	865
TOTALS		.2	8.6				8.6		.3		.1	.3	6801

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

912450 STATION WAKE ISLAND STATION NAME 77-86 YEARS SEP MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST. TO VISION	TOTAL NO. OF OBS.
SEP	00-02	.2	3.9				3.9						830
	03-05		3.2				3.2						717
	06-08		3.8				3.8						789
	09-11	.1	3.6				3.6						822
	12-14		3.1				3.1						839
	15-17		4.4				4.4		.1			.1	766
	18-20		3.0				3.0						804
	21-23	.4	2.5				2.5						808
TOTALS		.1	3.4				3.4		.0			.0	6375

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

912450
STATION

WAKE ISLAND
STATION NAME

77-86

YEARS

OCT
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS. WITH OBST TO VISION	TOTAL NO. OF OBS.
OCT	00-02	.2	4.3				4.3						847
	03-05		5.5				5.5						621
	06-08		5.8				5.8						799
	09-11		5.0				5.0						839
	12-14		4.2				4.2						883
	15-17		4.1				4.1						779
	18-20	.2	3.7				3.7						840
	21-23	.1	3.9				3.9						845
TOTALS		.1	4.6				4.6						6453

912450
STATION

WAKE ISLAND

STATION NAME

77-86

YEARS

NOV
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS. WITH OBST. TO VISION	TOTAL NO. OF OBS.
NOV	00-02		4.7				4.7	.1				.1	858
	03-05		4.9				4.9						648
	06-08		4.9				4.9						796
	09-11	.1	5.1				5.1						828
	12-14		4.4				4.4						857
	15-17		4.9				4.9				.2	.2	804
	18-20		4.9				4.9				.1	.1	858
	21-23		5.0				5.0						842
TOTALS		.0	4.9				4.9	.0			.0	.1	6491

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

912450
STATION

WAKE ISLAND

STATION NAME

77-86

YEARS

DEC
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS.

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST. TO VISION	TOTAL NO. OF OBS.
DEC	00-02		5.0				5.0						874
	03-05		3.9				3.9				.1	.1	718
	06-08		3.6				3.6						809
	09-11		1.6				1.8						870
	12-14		2.3				2.3						898
	15-17		2.1				2.1						856
	18-20		2.7				2.7				.1	.1	863
	21-23		3.5				3.5						875
TOTALS			3.1				3.1				.0	.0	6763

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

912450 STATION WAKE ISLAND STATION NAME YEARS 77-86 ALL MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	ALL	.0	3.8				3.8	.0	.0			.0	6892
FEB			3.3				3.3		.0			.0	6281
MAR			4.7				4.7		.2			.2	6818
APR	.2	4.6					4.6		3.0			3.0	6671
MAY	.0	2.2					2.2	.0	.0			.0	6783
JUN		2.2					2.2						6444
JUL	.0	3.4					3.4						6584
AUG	.2	8.6					8.6		.3		.1	.3	6801
SEP	.1	3.4					3.4		.0			.0	6375
OCT	.1	4.6					4.6						6453
NOV	.0	4.9					4.9	.0			.0	.1	6491
DEC		3.1					3.1				.0	.0	6763
TOTALS	.1	4.1					4.1	.0	.3		.0	.3	79356

PART A

ATMOSPHERIC PHENOMENA

This summary is a presentation of the percentage of days with occurrence of various atmospheric phenomena. These data are obtained from all recorded information on the reporting forms or from hourly data and combined into a daily observation.

The descriptions of the phenomena in the Weather Conditions Summary above also apply for the categories summarized in these daily tabulations. However, it should be noted that in this summary the columns headed " $\frac{1}{4}$ OF OBS WITH PRECIP" and " $\frac{1}{4}$ OF OBS WITH OBST TO VISION" show the percentage of days rather than the percentage of observations. Since more than one type of precipitation or more than one type of obstruction may occur in the same daily observation, the sum of the values in the individual categories may differ from the total columns.

A percent value of ".0" in the table indicates less than .05 percent, which is usually only one occurrence.

This presentation is by month with annual totals, and is prepared with all years combined.

- NOTES: (1) A day with rain and/or drizzle was not separately reported in the WBAN data prior to year 1949. Therefore, percentages in this column are restricted to the period Jan 1949 and later.
- (2) A day with freezing rain and/or freezing drizzle is also properly reported as a day with rain and/or drizzle.
- (3) A day with dust and/or sand is included in this summary only when visibility is reduced to less than $\frac{5}{8}$ mile.

WEATHER CONDITIONS

YEARS

MONTH

[illegible]

1234567890123456
USAFETAS FORM
9-10-50(A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100 101 102 103 104 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172 173 174 175 176 177 178 179 180 181 182 183 184 185 186 187 188 189 190 191 192 193 194 195 196 197 198 199 200 201 202 203 204 205 206 207 208 209 210 211 212 213 214 215 216 217 218 219 220 221 222 223 224 225 226 227 228 229 230 231 232 233 234 235 236 237 238 239 240 241 242 243 244 245 246 247 248 249 250 251 252 253 254 255 256 257 258 259 260 261 262 263 264 265 266 267 268 269 270 271 272 273 274 275 276 277 278 279 280 281 282 283 284 285 286 287 288 289 290 291 292 293 294 295 296 297 298 299 300 301 302 303 304 305 306 307 308 309 310 311 312 313 314 315 316 317 318 319 320 321 322 323 324 325 326 327 328 329 330 331 332 333 334 335 336 337 338 339 340 341 342 343 344 345 346 347 348 349 350 351 352 353 354 355 356 357 358 359 360 361 362 363 364 365 366 367 368 369 370 371 372 373 374 375 376 377 378 379 380 381 382 383 384 385 386 387 388 389 390 391 392 393 394 395 396 397 398 399 400 401 402 403 404 405 406 407 408 409 410 411 412 413 414 415 416 417 418 419 420 421 422 423 424 425 426 427 428 429 430 431 432 433 434 435 436 437 438 439 440 441 442 443 444 445 446 447 448 449 450 451 452 453 454 455 456 457 458 459 460 461 462 463 464 465 466 467 468 469 470 471 472 473 474 475 476 477 478 479 480 481 482 483 484 485 486 487 488 489 490 491 492 493 494 495 496 497 498 499 500 501 502 503 504 505 506 507 508 509 510 511 512 513 514 515 516 517 518 519 520 521 522 523 524 525 526 527 528 529 530 531 532 533 534 535 536 537 538 539 540 541 542 543 544 545 546 547 548 549 550 551 552 553 554 555 556 557 558 559 560 561 562 563 564 565 566 567 568 569 570 571 572 573 574 575 576 577 578 579 580 581 582 583 584 585 586 587 588 589 590 591 592 593 594 595 596 597 598 599 600 601 602 603 604 605 606 607 608 609 610 611 612 613 614 615 616 617 618 619 620 621 622 623 624 625 626 627 628 629 630 631 632 633 634 635 636 637 638 639 640 641 642 643 644 645 646 647 648 649 650 651 652 653 654 655 656 657 658 659 660 661 662 663 664 665 666 667 668 669 670 671 672 673 674 675 676 677 678 679 680 681 682 683 684 685 686 687 688 689 690 691 692 693 694 695 696 697 698 699 700 701 702 703 704 705 706 707 708 709 710 711 712 713 714 715 716 717 718 719 720 721 722 723 724 725 726 727 728 729 730 731 732 733 734 735 736 737 738 739 740 741 742 743 744 745 746 747 748 749 750 751 752 753 754 755 756 757 758 759 760 761 762 763 764 765 766 767 768 769 770 771 772 773 774 775 776 777 778 779 780 781 782 783 784 785 786 787 788 789 790 791 792 793 794 795 796 797 798 799 800 801 802 803 804 805 806 807 808 809 810 811 812 813 814 815 816 817 818 819 820 821 822 823 824 825 826 827 828 829 830 831 832 833 834 835 836 837 838 839 840 841 842 843 844 845 846 847 848 849 850 851 852 853 854 855 856 857 858 859 860 861 862 863 864 865 866 867 868 869 870 871 872 873 874 875 876 877 878 879 880 881 882 883 884 885 886 887 888 889 890 891 892 893 894 895 896 897 898 899 900 901 902 903 904 905 906 907 908 909 910 911 912 913 914 915 916 917 918 919 920 921 922 923 924 925 926 927 928 929 930 931 932 933 934 935 936 937 938 939 940 941 942 943 944 945 946 947 948 949 950 951 952 953 954 955 956 957 958 959 960 961 962 963 964 965 966 967 968 969 970 971 972 973 974 975 976 977 978 979 980 981 982 983 984 985 986 987 988 989 990 991 992 993 994 995 996 997 998 999 1000 1001 1002 1003 1004 1005 1006 1007 1008 1009 1010 1011 1012 1013 1014 1015 1016 1017 1018 1019 1020 1021 1022 1023 1024 1025 1026 1027 1028 1029 1030 1031 1032 1033 1034 1035 1036 1037 1038 1039 1040 1

PART B PRECIPITATION, SNOWFALL & SNOW DEPTH

This part of the Uniform Summary consists of eight summaries derived from daily observations as follows:

- * 1. The first set presents, in three tables, the percentage frequency of various daily amounts of PRECIPITATION, SNOWFALL, and SNOW DEPTH. The daily amount summary is prepared by month and annual, all years combined, and includes percent of days with measurable amounts; percent of days having none, traces, and given amounts; and means, greatest and least monthly amounts. (The last three statistics are omitted from the snow depth summary because of their doubtful and limited value.) A total count of valid observations is given for months and annual. Stations are included in which a portion or all of the period may contain months with missing days. This will be noted on the summary pages. A percent value of ".0" in these daily amount tables indicates less than .05 percent which is usually only one occurrence.
- * 2. The second set of three tables presents the extreme daily amounts, by individual year and month, of PRECIPITATION, SNOWFALL, and SNOW DEPTH for the entire period of record available. Also provided are the means and standard deviations for each month and annual (all months) and the total valid observation count. An asterisk (*) is printed in any year-month block when the extreme value is based on an incomplete month (at least one day missing for the month). When a month has valid observations reported but no occurrences, zeros are given in the tables as follows:

EXTREME DAILY PRECIPITATION	".00" equals none for the month (hundredths)
EXTREME DAILY SNOWFALL	".0" equals none for the month (tenths)
EXTREME DAILY SNOW DEPTH	"0" equals none for the month (whole inches)
3. The third set of two tables provides the total monthly amounts of PRECIPITATION and SNOWFALL for each year-month and annual. Also prepared are the means, standard deviations, and total number of valid observations for each month and annual (all months). An asterisk (*) is printed in each data block if one or more days are missing for the month. No occurrences for a month are indicated in the same manner as in the extreme tables above. If a trace becomes the extreme or monthly total in any of these tables it is printed as "TRACE."

Continued on Reverse Side

* Values for means and standard deviations do not include measurements from incomplete months.

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
PRECIPITATION
(FROM DAILY OBSERVATIONS)

912450 WAKE ISLAND 49-86

STATION NAME

STATION

YEARS

PRECIP.	AMOUNTS (INCHES)															PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
	NONE	TRACE	.01	.02-.05	.06-.10	.11-.25	.26-.50	.51-1.00	1.01-2.50	2.51-5.00	5.01-10.00	10.01-20.00	OVER 20.00	MEAN	GREATEST			LEAST		
SNOWFALL	NONE	TRACE	0.1-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4							
SNOW- DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120							
JAN	43.8	22.3	6.8	10.4	5.9	7.0	2.9	.8	.2					33.9	1147	1.18	4.25	.06		
FEB	42.3	23.9	5.2	12.5	5.8	6.2	1.7	1.0	1.3					33.8	1045	1.37	3.49	.15		
MAR	39.8	21.0	5.8	13.9	7.3	6.7	2.8	1.3	1.2	.1				39.2	1147	2.07	6.91	.36		
APR	30.2	22.9	7.4	15.0	7.7	9.3	4.5	2.0	.9	.2				46.9	1110	2.31	8.36	.31		
MAY	30.1	22.6	7.6	16.1	10.1	8.0	3.3	1.5	.6	.1				47.3	1147	1.80	4.55	.39		
JUN	28.1	19.6	9.0	17.8	9.1	9.5	3.6	1.9	1.1	.2				52.3	1110	2.29	5.42	.68		
JUL	18.1	20.0	9.9	17.0	11.5	10.8	6.7	3.3	2.4	.3				61.9	1147	4.03	10.74	.78		
AUG	20.7	17.9	7.3	14.4	9.4	11.2	8.4	5.9	3.7	.8	.3			61.4	1147	6.20	27.71	1.16		
SEP	19.8	17.3	7.4	15.5	10.6	14.4	6.1	5.1	3.2	.4	.1			62.8	1109	4.85	17.08	.80		
OCT	21.7	16.2	7.4	15.6	10.6	14.6	5.8	4.7	3.0	.3				62.1	1147	4.49	11.70	1.04		
NOV	28.1	22.0	8.7	14.8	8.6	8.9	4.9	1.8	1.9	.2				49.9	1140	2.94	8.54	.32		
DEC	35.9	23.3	7.9	14.3	6.6	6.5	3.1	1.8	.6	.1				40.7	1178	1.68	6.87	.28		
ANNUAL	29.9	20.7	7.5	14.8	8.6	9.4	4.5	2.6	1.7	.2	.0			49.3	13574	35.21				

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES OF PRECIPITATION
(FROM DAILY OBSERVATIONS)

PERIOD OF RECORD: 49-86

STATION NUMBER: 912450 STATION NAME: WAKE ISLAND

YEAR	24 HOUR AMOUNTS IN INCHES												ALL MONTHS
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
49													
50	.36	.19	.32	.28	.54	1.69	2.09	3.74	1.30	1.49	4.34	.57	4.34
51	.67	1.04	.22	.30	.31	.22	.26	.75	.58	1.03	.61	.54	1.04
52	.29	.14	.11	.42	1.01	.47	3.82	.75	1.00	.99	.45	.57	3.82
53	.12	1.32	.33	.73	.95	2.71	1.42	3.57	.32	.81	1.24	.71	3.57
54	.63	1.09	.35	.40	.28	.27	1.64	1.89	.61	1.30	3.90	1.17	3.90
55	.31	1.16	2.27	.59	.29	.26	.24	1.39	1.06	1.70	.24	.58	2.27
56	1.26	.10	.77	.19	.41	.28	2.15	.65	.70	1.54	1.56	.20	2.15
57	.26	.27	1.66	.49	1.02	.39	.29	1.90	1.35	.36	.43	.24	1.90
58	.15	.18	.13	.39	.44	.24	1.16	.48	2.21	1.67	1.38	.34	2.21
59	.27	.22	.16	.62	.60	.93	.77	.52	1.44	.59	.72	1.70	1.70
60	.11	.21	.11	.43	.30	2.33	1.12	1.45	1.50	2.60	2.33	.40	2.60
61	.37	.39	.64	.46	.16	.23	2.41	2.06	2.67	2.29	1.02	.44	2.67
62	.22	.68	.24	.23	.30	2.02	2.02	1.59	1.53	3.19	.36	1.14	3.19
63	.21	.16	.44	.67	1.36	.85	.72	2.24	.85	1.37	2.16	.75	2.24
64	.34	.20	.34	1.30	.13	2.58	.92	1.09	1.62	.89	1.92	.66	2.58
65	.64	.52	.51	1.46	.37	.70	.29	1.41	.48	2.02	1.49	.19	2.02
66	.25	.56	.27	.76	1.19	.58	.47	1.01	1.24	.71	.14	.37	1.24
67	.48	.85	2.31	1.81	1.18	1.20	4.20	2.36	2.62	1.76	.84	1.12	4.20
68	.31	.09	.28	2.18	2.02	.69	.42	1.91	.67	1.74	2.02	.64	2.18
69	.45	.18	.28	.77	.67	.54	.34	.62	1.99	.85	1.10	.95	1.99
70	.28	.62	.60	.09	2.58	.21	3.72	2.22	.95	1.07	.48	.55	3.72
71	.56	1.22	.49	.56	.73	1.58	.91	3.18	6.24	1.43	2.19	.20	6.24
72	.61	.22	.51	.38	.12	.37	1.50	.69	2.61	.39	.39	1.44	2.61
73	.81	1.10	.77	.19	.48	.92	.60	1.38	1.41	.41	.94	.20	1.41
74	2.28	1.55	.22	.74	.27	.63	2.33	.25	.93	1.04	.36	.35	2.33
75	.43	1.08	.23	.21	.60	.23	.54	1.21	1.44	1.32	.96	2.63	2.63
76	.48	1.17	2.27	.55	.28	1.17	.78	1.12	.60	.42	.44	.48	2.27
77	.12	.20	1.89	.58	.62	.99	.66	2.54	.83	1.69	1.49	.39	2.54
78	.29	.17	1.49	2.23	.50	1.15	.86	1.03	2.13	1.04	1.84	.36	3.23

NOTE * (BASED ON LESS THAN FULL MONTHS)

CONTINUED ON NEXT PAGE.....

GLOBAL CLIMATOLOGY BRANCH
USAF/LTAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES OF PRECIPITATION
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 912450 STATION NAME: WAKE ISLAND

PERIOD OF RECORD: 49-86

YEAR	24 HOUR AMOUNTS IN INCHES												ALL MONTHS
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
79	.64	.85	.50	.60	.10	.47	.62	5.25	1.32	2.35	.60	.41	5.25
80	.12	1.26	.44	.65	.90	.38	1.00	1.55	.68	.99	1.99	.18	1.99
81	.40	1.04	1.83	.63	.33	.68	1.84	5.19	.97	.73	1.33	.31	5.19
82	.06	.84	1.84	1.79	.90	.79	.27	.63	1.18	.16	1.22	.12	1.84
83	.17	.21	.15	1.54	.15	.21	.52	.58	.16	.56	.43	.37	1.54
84	.81	1.51	1.00	1.12	.27	1.70	1.40	.38	.78	2.75	2.10	.34	2.75
85	.26	.40	.39	4.49	.53	.79	1.50	1.90	.61	.22	.45	.14	4.49
86	.61	.42	2.93	.36	.09	.25	2.51	3.54	.52	.41	1.68	.38	3.54
MEAN	.435	.630	.797	.871	.621	.857	1.306	1.737	1.341	1.240	1.261	.588	2.857
S.D.	.401	.466	.778	.891	.533	.693	1.034	1.248	1.063	.748	.941	.501	1.213
TOTAL OBS.	1147	1045	1147	1110	1147	1110	1147	1147	1109	1147	1140	1178	13574

NOTE * (BASED ON LESS THAN FULL MONTHS)

GLOBAL CLIMATOLOGY BRANCH
USAF/CIAC
AIR WEATHER SERVICE/MAC

MONTHLY PRECIPITATION
(FROM DAILY OBSERVATIONS)

PERIOD OF RECORD: 49-86

STATION NUMBER: 912450 STATION NAME: WAKE ISLAND

TOTAL MONTHLY PRECIPITATION IN INCHES

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
49	1.27	.44	.62	1.49	2.00	3.42	10.15	12.40	6.34	5.06	2.75	.64	54.75
50	2.16	1.57	.73	1.19	1.66	1.64	1.30	1.51	4.18	4.83	8.54	3.02	24.71
51	.74	.35	.36	2.42	3.63	1.93	7.76	4.47	2.66	3.36	2.19	1.75	30.38
52	.38	3.16	1.55	1.45	1.69	4.51	3.70	11.49	1.47	3.19	2.39	1.43	37.20
53	2.32	2.96	1.15	2.32	1.53	1.19	5.24	5.78	4.10	5.40	7.25	2.22	42.23
54	1.26	2.13	5.58	2.40	1.19	1.42	.80	3.50	4.44	6.93	1.27	1.70	32.62
55	1.92	.27	1.86	.74	1.53	1.52	4.94	2.58	2.05	6.26	5.53	.96	30.16
56	.88	.39	2.99	1.80	2.53	2.25	1.78	8.71	5.17	2.11	1.35	.91	30.87
57	.80	.42	.67	2.01	1.38	.86	4.13	2.22	4.33	5.34	3.09	.76	26.01
58	1.02	.57	.55	2.22	2.07	2.10	3.37	3.00	3.37	2.36	2.12	3.09	24.84
59	.41	.73	.52	1.94	.95	3.74	3.10	3.20	4.93	6.70	4.48	.65	31.35
60	.83	.56	3.47	1.09	.50	1.09	4.94	8.06	10.81	8.19	3.32	.76	43.62
61	.49	1.63	1.00	.58	1.02	5.19	8.49	8.54	6.30	11.70	1.23	2.44	48.61
62	.55	.32	1.09	2.86	3.66	3.37	1.38	4.38	2.09	5.54	3.12	1.74	30.10
63	.92	.61	1.08	3.68	.42	5.25	4.46	5.85	6.92	2.80	2.53	1.67	36.19
64	.06	1.08	1.38	3.31	2.23	1.41	.78	4.02	1.44	8.31	1.92	.51	26.45
65	.67	1.34	.64	1.30	3.20	1.59	1.70	4.95	5.15	2.53	.32	.62	23.91
66	1.17	1.00	6.14	3.80	2.25	4.18	10.56	8.71	16.60	3.12	2.08	1.85	62.36
67	1.20	.15	.74	6.22	3.65	2.26	3.48	6.10	3.69	7.12	4.29	2.03	40.93
68	1.15	.74	.91	1.62	1.38	1.64	1.15	1.63	4.18	2.41	2.92	4.74	24.47
69	.95	1.50	1.06	.31	4.55	.98	10.74	5.44	2.88	3.26	1.61	1.91	35.79
70	1.79	3.34	1.62	3.01	2.38	3.52	2.40	6.51	17.08	5.00	5.01	.98	52.64
71	1.75	.75	1.77	1.21	.67	1.30	3.38	1.44	8.05	3.36	1.77	4.15	29.60
72	2.17	1.71	1.41	.89	1.99	1.95	1.23	7.42	3.12	2.73	2.25	.93	27.80
73	4.25	2.13	.59	1.93	.96	1.74	9.25	1.16	4.94	3.18	1.88	1.73	33.74
74	.88	2.12	1.44	.91	2.19	.96	3.08	4.48	5.73	3.48	2.82	6.87	34.96
75	1.19	3.49	6.91	1.53	1.29	1.61	3.18	2.69	2.24	1.40	2.44	.64	28.81
76	.43	.87	5.55	1.63	1.60	1.83	2.40	12.39	*2.89	10.33	2.83	1.36	*44.11
77	1.00	.33	1.90	4.14	2.35	5.42	2.57	5.09	7.58	3.09	4.21	1.16	38.84
78													

NOTE * (BASED ON LESS THAN FULL MONTHS)

CONTINUED ON NEXT PAGE.....

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

MONTHLY PRECIPITATION
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 912450 STATION NAME: WAKE ISLAND PERIOD OF RECORD: 49-86

YEAR	TOTAL MONTHLY PRECIPITATION IN INCHES												ALL MONTHS
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
79	2.28	1.45	1.53	1.48	.39	1.50	1.77	14.20	4.58	3.95	3.09	1.17	37.39
80	.38	1.54	1.11	2.02	1.50	1.00	2.71	3.92	3.85	4.81	3.08	.28	26.20
81	.84	1.39	5.19	1.26	1.19	2.23	7.22	27.71	2.63	3.11	2.67	1.38	56.83
82	.14	3.15	3.14	4.04	2.20	2.20	1.28	2.72	4.50	1.04	2.01	.45	26.87
83	.65	.27	.50	4.28	.52	.99	2.21	1.72	.80	3.03	2.26	1.11	18.44
84	2.11	2.51	1.20	3.18	1.61	4.24	5.51	1.62	2.60	2.33	4.00	1.00	37.91
85	.82	1.12	1.54	8.36	2.01	1.90	3.57	7.06	2.05	1.09	2.18	.52	32.22
36	1.82	1.61	6.68	.88	.45	.68	4.30	12.72	1.88	1.64	3.71	1.64	38.01
"LAV	1.180	1.368	2.075	2.311	1.795	2.292	4.028	6.197	4.854	4.489	2.942	1.678	34.939
S.D.	.811	.975	1.937	1.622	.995	1.351	2.865	5.090	3.614	2.558	1.620	1.325	10.094
TOTAL OBS	1147	1045	1147	1110	1147	1110	1147	1147	1109	1147	1140	1178	13574

NOTE * (BASED ON LESS THAN FULL MONTHS)

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
SNOWFALL
(FROM DAILY OBSERVATIONS)

912450

WAKE ISLAND

98-86

STATION

STATION NAME

YEARS

PRECIP.	NONE	TRACE	.01	.02-.05	.06-.10	.11-.25	AMOUNTS (INCHES)							PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
							.26-.50	.51-1.00	1.01-2.50	2.51-5.00	5.01-10.00	10.01-20.00	OVER 20.00			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	0.1-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4					
SNOW- DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	100.0													1147	.0	.0	.0	
FEB	100.0													1045	.0	.0	.0	
MAR	100.0													1147	.0	.0	.0	
APR	100.0													1110	.0	.0	.0	
MAY	100.0													1147	.0	.0	.0	
JUN	100.0													1110	.0	.0	.0	
JUL	100.0													1147	.0	.0	.0	
AUG	100.0													1147	.0	.0	.0	
SEP	100.0													1109	.0	.0	.0	
OCT	100.0													1147	.0	.0	.0	
NOV	100.0													1140	.0	.0	.0	
DEC	100.0													1178	.0	.0	.0	
ANNUAL	100.0													13574	.0	X	X	

GLOBAL CLIMATOLOGY BRANCH
USAF/CIAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES OF SNOWFALL
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 912450 STATION NAME: WAKE ISLAND PERIOD OF RECORD: 49-86

24 HOUR AMOUNTS IN INCHES
-M-O-N-T-H-S-

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
49	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
50	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
51	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
52	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
53	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
54	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
55	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
56	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
57	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
58	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
59	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
62	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
63	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
64	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
65	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
66	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
67	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
68	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
69	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
72	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
73	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
74	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
75	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
76	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
77	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
78	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

NOTE * (BASED ON LESS THAN FULL MONTHS)

CONTINUED ON NEXT PAGE....

GLOBAL CLIMATOLOGY BRANCH
USAF/CIAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES OF SNOWFALL
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 912450 STATION NAME: WAKE ISLAND PERIOD OF RECORD: 49-86

YEAR	24 HOUR AMOUNTS IN INCHES												ALL MONTHS
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
79	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
80	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
81	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
82	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
83	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
84	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
85	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
MEAN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
S.D.	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
TOTAL OBS	1147	1045	1147	1110	1147	1110	1147	1147	1109	1147	1140	1178	13574

NOTE * (BASED ON LESS THAN FULL MONTHS)

GLOBAL CLIMATOLOGY BRANCH
USAF/TAC
AIR WEATHER SERVICE/MAC

MONTHLY SNOWFALL
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 912450 STATION NAME: LAKE ISLAND

PERIOD OF RECORD: 49-86

TOTAL MONTHLY SNOWFALL IN INCHES

-M-O-N-T-H-S-

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
49	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
50	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
51	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
52	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
53	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
54	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
55	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
56	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
57	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
58	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
59	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
62	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
63	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
64	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
65	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
66	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
67	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
68	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
69	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
72	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
73	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
74	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
75	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
76	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
77	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
78	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0

NOTE * (BASED ON LESS THAN FULL MONTHS)

CONTINUED ON NEXT PAGE.....

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

MONTHLY SNOWFALL
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 912450 STATION NAME: WAKE ISLAND

PERIOD OF RECORD: 49-86

TOTAL MONTHLY SNOWFALL IN INCHES

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
79	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
80	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
81	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
82	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
83	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
84	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
85	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
86	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
MEAN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
S.D.	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
TOTAL 03	1147	1045	1147	1110	1147	1110	1147	1147	1109	1147	1140	1178	13574

NOTE * (BASED ON LESS THAN FULL MONTHS)

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
SNOW DEPTH
(FROM DAILY OBSERVATIONS)

912450 STATION WAKE ISLAND STATION NAME 49-86 YEARS

PRECIP.	AMOUNTS (INCHES)														TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
	NONE	TRACE	.01	.02-.05	.06-.10	.11-.25	.26-.50	.51-1.00	1.01-2.50	2.51-5.00	5.01-10.00	10.01-20.00	OVER 20.00	MEAN		GREATEST	LEAST	
SNOWFALL	NONE	TRACE	0.1-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4					
SNOW-DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	100.0													1147				
FEB	100.0													1045				
MAR	100.0													1147				
APR	100.0													1110				
MAY	100.0													1147				
JUN	100.0													1110				
JUL	100.0													1147				
AUG	100.0													1147				
SEP	100.0													1109				
OCT	100.0													1147				
NOV	100.0													1140				
DEC	100.0													1178				
ANNUAL	100.0													13574				

GLOBAL CLIMATOLOGY BRANCH
USAF/ETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES OF SNOW DEPTH
(FROM DAILY OBSERVATIONS)

PERIOD OF RECORD: 49-86

STATION NUMBER: 912450 STATION NAME: WAKE ISLAND

DAILY SNOW DEPTH IN INCHES

-M-O-N-T-H-S-

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
49	0	0	0	0	0	0	0	0	0	0	0	0	0
50	0	0	0	0	0	0	0	0	0	0	0	0	0
51	0	0	0	0	0	0	0	0	0	0	0	0	0
52	0	0	0	0	0	0	0	0	0	0	0	0	0
53	0	0	0	0	0	0	0	0	0	0	0	0	0
54	0	0	0	0	0	0	0	0	0	0	0	0	0
55	0	0	0	0	0	0	0	0	0	0	0	0	0
56	0	0	0	0	0	0	0	0	0	0	0	0	0
57	0	0	0	0	0	0	0	0	0	0	0	0	0
58	0	0	0	0	0	0	0	0	0	0	0	0	0
59	0	0	0	0	0	0	0	0	0	0	0	0	0
60	0	0	0	0	0	0	0	0	0	0	0	0	0
61	0	0	0	0	0	0	0	0	0	0	0	0	0
62	0	0	0	0	0	0	0	0	0	0	0	0	0
63	0	0	0	0	0	0	0	0	0	0	0	0	0
64	0	0	0	0	0	0	0	0	0	0	0	0	0
65	0	0	0	0	0	0	0	0	0	0	0	0	0
66	0	0	0	0	0	0	0	0	0	0	0	0	0
67	0	0	0	0	0	0	0	0	0	0	0	0	0
68	0	0	0	0	0	0	0	0	0	0	0	0	0
69	0	0	0	0	0	0	0	0	0	0	0	0	0
70	0	0	0	0	0	0	0	0	0	0	0	0	0
71	0	0	0	0	0	0	0	0	0	0	0	0	0
72	0	0	0	0	0	0	0	0	0	0	0	0	0
73	0	0	0	0	0	0	0	0	0	0	0	0	0
74	0	0	0	0	0	0	0	0	0	0	0	0	0
75	0	0	0	0	0	0	0	0	0	0	0	0	0
76	0	0	0	0	0	0	0	0	0	0	0	0	0
77	0	0	0	0	0	0	0	0	0	0	0	0	0
78	0	0	0	0	0	0	0	0	0	0	0	0	0

NOTE * (BASED ON LESS THAN FULL MONTHS)

CONTINUED ON NEXT PAGE....

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/PAC

EXTREME VALUES OF SNOW DEPTH
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 912450 STATION NAME: WAKE ISLAND

PERIOD OF RECORD: 49-86

DAILY SNOW DEPTH IN INCHES
-M-O-N-T-H-S-

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
79	0	0	0	0	0	0	0	0	0	0	0	0	0
80	0	0	0	0	0	0	0	0	0	0	0	0	0
81	0	0	0	0	0	0	0	0	0	0	0	0	0
82	0	0	0	0	0	0	0	0	0	0	0	0	0
83	0	0	0	0	0	0	0	0	0	0	0	0	0
84	0	0	0	0	0	0	0	0	0	0	0	0	0
85	0	0	0	0	0	0	0	0	0	0	0	0	0
86	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0
S.E.	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
TOTAL OBS	1147	1045	1147	1110	1147	1110	1147	1147	1109	1147	1140	1178	13574

NOTE * (BASED ON LESS THAN FULL MONTHS)

SURFACE WINDS

PART C

Presented in this part are various tabulations of surface winds as follows:

- *1. Extreme Values - Peak Gusts: Derived from daily observations and presented by individual year and month for the entire period of record available. Speeds are presented in knots, while directions are given in 16 compass points from the beginning of record through June 1968, and in tens of degrees starting in July 1968. The extreme is selected and printed from available peak gusts for each year-month, however an asterisk (*) is printed in the data block if less than 90% (3 or more missing observations) of the peak gusts are available for the month. An ALL MONTHS value is presented when every month of the year has valid observations. Means and standard deviations are also computed when four or more values are present for any column. A total raw count of valid observations is presented for each month and ALL MONTHS.

NOTE: According to Federal Meteorological Handbook No. 1 specifications (formerly Circular N), "peak gust data are recorded only at stations with continuous instantaneous wind-speed recorders."

- *2. Bivariate percentage frequency tabulations: Derived from hourly observations, these tabulations are a percentage frequency of wind directions to 16 compass points and calm by wind speeds (knots) in increments of Beaufort classifications. Percentages are shown by both directions and speed, and in addition the mean wind speed is given for each direction.

A separate category is provided on the form for variable winds, which are reported in some data sources. In these data where light and variable winds are reported with no directions but with speeds given, the speeds will be summarized in the appropriate groups opposite the column headed VRBL.

- a. Three tables are prepared for ALL WEATHER surface winds, all years combined, by: (1) Annual - all hours combined, (2) By month - all hours combined, and (3) By month - by standard 3-hour groups.
- b. A separate annual table is also presented for surface winds meeting INSTRUMENT CLASS conditions as follows: Ceiling 200 through 1400 feet inclusive with visibility equal to or greater than 1/2 mile, and/or visibility 1/2 through 2-1/2 miles inclusive with ceiling equal to or greater than 200 feet.

NOTE: A percentage frequency of ".0" in these tables represents one or more occurrences amounting to less than ".05" percent.

*Values for means and standard deviations do not include measurements from incomplete months.

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES OF SURFACE WINDS
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 912450 STATION NAME: WAKE ISLAND

PERIOD OF RECORD: 52-86

DAILY PEAK GUSTS IN KNOTS
-M-O-N-T-H-S-

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DECI	ALL MONTHS
52													
53													
54													
55													
56													
57													
58													
59													
60													
61													
62													
63													
64													
65													
66													
67													
68													
69													
70													
71													
72													
73													
74													
75													
76													
77													
78													
79													
80													
81													

NOTES * (BASED ON LESS THAN FULL MONTHS)
\$ (BASED ON LESS THAN FULL MONTHS AND +100 KNOTS)

CONTINUED ON NEXT PAGE....

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES OF SURFACE WINDS
(FROM DAILY OBSERVATIONS)

PERIOD OF RECORD: 52-86

STATION NUMBER: 412410 STATION NAME: WAKE ISLAND

DAILY PEAK GUSTS IN KNOTS
-M-O-N-T-H-S-

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DECI	ALL MONTHS
82	NE 35	NF 24	N 35	NE 33	E 31	E 30	E 30	SE 33	E 33	SE 34	E 35	E 37	E 37
83	NE 37	C 24	NE 29	NE 37	E 26	E 30	E 36	E 28	E 26	E 36	E 37	NE 37	NE 37
84	NE 30	NE 36	NE 35	NE 39	E 27	S 32	W 34	E 34	E 30	E 35	E 30	NE 36	NE 39
85	NE 28	SW 28	E 36	NE 32	E 32	E 28	E 26	E 39	NE 30	E 27	E 45	NE 38	E 45
86	E 45	W 28	NE 35	NE 35	NE 32	E 28	E 28	SW 51	NE 33	E 28	E 34	E 35	SW 51
Avg	34.2	34.7	34.9	34.0	31.5	30.9	33.2	35.7	37.1	37.4	38.0	37.6	46.5
S.D.	5.766	5.199	6.474	3.856	4.169	3.348	4.581	7.157	16.458	6.567	4.787	4.180	16.997
Total Obs	829	799	850	820	844	836	895	863	857	886	815	896	10180

NOTES * (BASED ON LESS THAN FULL MONTHS)
\$ (BASED ON LESS THAN FULL MONTHS AND +100 KNOTS)

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
USAFETAC
AIR WEATHER SERVICE/MAC

STATION NUMBER: 912450 STATION NAME: WAKE ISLAND PERIOD OF RECORD: 77-86
MONTH: JAN HOURS(IST): 0000-0200

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56
N	.1	1.6	1.3	1.3	.4	.3	.2				5.4
NNE	.1	1.0	1.7	3.5	1.2	.2					7.7
NE		1.2	3.1	5.5	1.8	.1					11.8
ENE		1.8	4.4	6.8	2.8	2.0					17.8
E	.2	4.5	5.9	7.2	3.6	.3					21.8
ESE		2.4	2.8	1.9	.2						7.3
SE	.2	.8	1.9	.4							3.4
SSE	.3	.3	1.3	.7	.3	.1					3.1
S	.1	.8	1.3	.4	.2	.1					3.0
SSW	.8	1.3	.4	.4							3.0
SW	.7	1.7	.7	.3							3.4
WSW	.7	.9	.2	.2							2.0
W	.7	1.0	.3								2.0
WNW	.1	1.0	.1								1.2
NW	1.0	.4	.4								1.9
NNW	.3	.6	1.1	.7							2.7

VARIABLE

CALM
TOTALS

1.6 19.8 30.4 30.8 11.7 3.3 .2 100.0 10.7 2.4

TOTAL NUMBER OF OBSERVATIONS: 891

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 USAFETAC
 AIR WEATHER SERVICE/MAO

STATION NUMBER: 912450 STATION NAME: WAKE ISLAND		PERIOD OF RECORD: 77-86									
		MONTH: JAN HOURS(LST): 0300-0500									
DIRECTION (DEGREES)	1-3	WIND SPEED IN KNOTS									
		4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56-60
N	.1	2.3	1.3	1.7	.4	.3					6.0 9.8
NNE		1.4	1.9	2.9	1.9	.1					8.3 12.6
NE	.3	1.8	3.7	4.4	1.9	.6					12.7 11.8
ENE	.3	1.7	5.4	7.0	2.3	.9	.1				17.7 12.3
E	.6	4.2	5.2	6.1	2.9	.3					19.5 10.6
ESE	.1	2.4	3.5	1.5	.1						7.7 8.6
SE	.8	1.5	.8	.4							3.5 10.0
SSE	.6	1.0	.3	.1							2.0 8.7
S	.1	1.0	1.4	.6	.6						3.8 10.2
SSW	.9	1.9	.5	.1							3.5 8.5
SW	.3	1.4	.5	.3							2.4 10.2
WSW	.5	.5	.3	.1							1.4 9.3
W	.3	1.3	1.2	.5							3.2 7.2
WNW	.1	.6	.1	.4							1.3 6.9
NW	.1	.8	.4	.5	.3						2.0 9.0
NNW	.4	.8	.9	.3	.3						2.6 7.6

VARIABLE											
CALM	//////////////////// 2.4										
TOTALS	2.4	21.4	31.4	28.3	11.8	2.2	.1			100.0	10.3

TOTAL NUMBER OF OBSERVATIONS: 781

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 USAFETAC FROM HOURLY OBSERVATIONS
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 912450 STATION NAME: WAKE ISLAND PERIOD OF RECORD: 77-86
 MONTH: JAN HOURS(LST): 0600-0800

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL Σ	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56	
N	.1	1.6	2.5	1.8	.6	.6					7.3	10.9
NNE		1.2	2.2	3.9	1.1	1.3					9.7	13.2
NE	.4	1.1	3.0	5.2	2.1	.5					12.3	12.2
ENE	.2	2.5	4.1	5.8	2.9	1.6	.1				17.4	13.1
E	.2	2.9	6.6	5.2	2.2						17.1	10.6
ESE		3.4	3.4	1.0	.1						7.9	7.6
SE	.7	2.1	1.2	.5							4.5	10.4
SSE	.2	1.1	1.1	1.1	.1						3.6	8.9
S	.4	.6	1.2	1.1	.6						3.9	10.1
SSW	.2	1.2	.5								1.9	9.6
SW	.4	1.0	1.0	.1							2.4	10.4
WSW	.4	.7	.7	.1	.1						1.9	9.9
W	.1	1.5	.8	.1	.2						2.8	7.6
WNW	.1	1.5	.2	.1							1.9	5.6
NW	.4	1.3	.2	.5	.1						2.5	6.8
NNW	.1	.4	.6	.1							1.2	8.1
VARIABLE	////////////////////										1.6	////
CALM	////////////////////										100.0	10.7
TOTALS	2.3	20.8	31.1	29.2	10.9	4.0	.1					

TOTAL NUMBER OF OBSERVATIONS: 824

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 912450 STATION NAME: WAKE ISLAND PERIOD OF RECORD: 77-86
MONTH: JAN HOURS(LST): 0900-1100

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL Σ	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56	
N	.1	1.1	2.0	1.7	.8	.1					5.9	10.6
NNE		1.1	2.2	3.2	1.1	.7					8.4	12.5
NE		.9	3.4	6.6	2.0	.3					13.2	12.7
NNE	.1	.9	3.3	6.8	3.2	1.1					15.5	13.8
E		1.5	5.9	7.5	4.1	.5					19.4	12.7
ESE		.6	4.0	2.1	.3						7.0	10.0
SE	.1	.5	2.1	1.4	.2						4.3	10.2
SSE	.2	.9	2.2	1.8	.6	.1					5.9	10.4
S	.2	1.3	1.6	1.4							4.5	8.9
SSW	.1	.5	1.0	.8	.1						2.5	10.4
SW		.9	.7	1.0							2.6	9.1
WSW		.3	.6	.2							1.1	8.7
W	.3	1.1	.8	.2							2.5	6.5
WNW	.1	.3	.5	.1	.1						1.1	8.3
NW	.3	.7	1.5	.5	.1						3.1	8.6
NNW		.1	1.0	.7	.1						2.0	10.9

VARIABLE

CALM

TOTALS

1.7 12.9 32.8 36.0 12.9 2.9 100.0 11.4

TOTAL NUMBER OF OBSERVATIONS: 870

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 USAFETAC FROM HOURLY OBSERVATIONS
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 912450 STATION NAME: WAKE ISLAND PERIOD OF RECORD: 77-86
 MONTH: JAN HOURS(LST): 1200-1400

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55		
N	.1	1.0	3.2	2.6	1.0						8.0	10.8
NNE		.3	1.3	3.3	.7	.5					6.0	13.1
NE		.8	3.3	5.7	2.3	.5					12.5	12.8
ENE		.7	5.0	7.5	3.1	1.8					18.1	13.9
E	.2	.5	3.9	7.4	3.6	.3					15.9	13.5
ESE		.6	2.3	1.1	.1						4.1	10.0
SE		.8	3.6	2.5	.1						7.1	9.9
SSE	.2	.6	1.7	1.1	.3	.3					4.3	11.2
S	.1	1.4	2.4	2.0	.5						6.4	9.9
SSW		.3	.6	.6	.3						1.8	11.1
SW	.1	1.0	1.0	.6	.2						3.0	8.5
WSW	.2	.6	1.7	1.0							3.5	8.7
W		.8	.9	.3							2.0	7.8
WNW	.1	.2	1.4								1.7	7.7
NW	.1	.2	1.1	.2	.2						1.9	9.2
NNW		.7	1.3	1.0	.3	.1					3.4	10.6
VARIABLE												
CALM	////////////////////											.2
TOTALS	1.3	10.5	34.6	37.1	12.9	3.5					100.0	11.7

TOTAL NUMBER OF OBSERVATIONS: 879

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
USAFETAC
AIR WEATHER SERVICE/HAC

STATION NUMBER: 912450 STATION NAME: WAKE ISLAND PERIOD OF RECORD: 77-86 MONTH: JAN HOURS(LST): 1500-1700														
		WIND SPEED IN KNOTS												
DIRECTION (DEGREES)		1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL	MEAN WIND
N			1.6	3.0	3.3	.3	.2						8.5	10.7
NNE			.3	1.8	2.5	1.8	.1						6.7	13.5
NE		.1	.8	3.3	6.1	2.5	.2						13.1	12.8
ENE			1.7	4.7	7.6	4.0	1.0	.1					19.2	13.4
E			1.3	2.8	7.0	2.8	.2						14.0	13.1
ESE			.3	2.3	2.0	.6							5.2	11.1
SE			.5	3.0	1.6	.1							5.2	9.4
SSE			1.1	2.2	.7	.3							4.4	9.3
S			.7	2.8	1.3	.3	.2						5.3	10.6
SSW			.6	.7	1.1	.2							2.6	10.9
SW		.1	.7	1.3	.6								2.6	8.3
WSW			1.1	1.4	.3	.2							3.1	8.6
W		.2	.8	1.5	.3								2.9	7.5
WNW			.3	.5	.1								.9	7.9
NW			.5	.8	.9	.2							2.4	10.7
NNW		.1	1.1	1.1	.8	.5	.1						3.8	9.9
VARIABLE														
CALM		////////////////////												
TOTALS		.6	13.6	33.1	36.3	14.0	2.2	.1					100.0	11.6

TOTAL NUMBER OF OBSERVATIONS: 870

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
USAFETAC
AIR WEATHER SERVICE/HAC

STATION NUMBER: 912450 STATION NAME: WAKE ISLAND PERIOD OF RECORD: 77-86
MONTH: JAN HOURS(LST): 1800-2000

WIND SPEED IN KNOTS

DIRECTION (DEGREES)	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL Σ	MEAN WIND Σ
N		1.6	1.7	2.5	1.6	.1						7.5	11.9
NNE	.1	.6	1.6	2.4	2.7	.5						7.9	14.2
NE		1.0	3.5	5.7	3.0	.2						13.5	12.9
ENE	.1	1.4	4.8	7.6	4.1	1.0						19.0	13.4
E	.3	2.4	4.4	6.5	3.4	.3	.1					17.6	12.3
ESE	.1	2.6	2.9	1.3	.3							7.2	8.4
SE	.1	.6	1.1	.6								2.4	8.3
SSE	.1	.5	1.6	.1	.5							2.7	10.0
S		.7	2.4	.6	.2	.3						4.2	10.4
SSW		.9	.9	.6	.3							2.7	10.0
SW		.5	1.1	.8								2.4	9.2
WSW		.7	1.9	.1	.3							3.1	9.1
W	.1	.7	.8									1.6	6.4
WNW		.2	.7	.3								1.3	8.8
NW		.8	1.3	.8	.1							3.0	8.8
NNW	.1	1.7	1.0	.3	.2							3.4	7.7

VARIABLE

CALM	////////////////////											.6	////////
TOTALS	1.1	16.8	31.8	30.2	16.9	2.5	.1					100.0	11.5

TOTAL NUMBER OF OBSERVATIONS: 877

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
USAFETAC FROM HOURLY OBSERVATIONS
AIR WEATHER SERVICE/HAC

STATION NUMBER: 912450 STATION NAME: WAKE ISLAND PERIOD OF RECORD: 77-86 MONTH: JAN HOURS(LST): 2100-2300													
WIND SPEED IN KNOTS													
DIRECTION (DEGREES)	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56	TOTAL Σ	MEAN WIND
N		1.4	2.9	2.1	.8	.1		.3				7.7	12.0
NNE		.6	1.5	2.3	1.1	.5						5.9	13.5
NE		1.4	4.0	6.8	2.9	.6						15.6	12.7
ENE	.2	1.5	4.4	7.7	4.6	.9	.1					19.4	13.4
E	.2	2.8	5.2	7.3	3.3	.1						19.0	11.7
ESE	.3	2.6	2.5	.9	.1							6.4	7.5
SE		.9	1.2	.7								2.8	8.3
SSE		.3	1.4	.5	.3							2.5	10.5
S		.9	1.6	.2	.3	.2						3.3	9.9
SSW		.6	1.4	.2	.8							2.9	10.8
SW		.3	1.5	.5								2.3	9.1
WSW		1.0	1.0	.1	.1							2.3	7.5
W		.9	.8	.3	.1							2.1	8.1
WNW		.6	.2									.8	6.4
NW		.7	.7	.5	.2							2.0	9.6
NNW		1.1	1.0	.5								2.6	8.0
VARIABLE													
CALM	////////////////////												
TOTALS	.8	17.5	31.2	30.5	14.8	2.4	.1	.3				100.0	11.1

TOTAL NUMBER OF OBSERVATIONS: 886

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 USAF/ETAC
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 912450 STATION NAME: WAKE ISLAND PERIOD OF RECORD: 77-86 ALL
 MONTH: JAN HOURS(LST):

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL Σ	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56	
N	.1	1.5	2.3	2.2	.8	.2	.0	.0			7.0	11.1
NNE	.0	.8	1.8	3.0	1.5	.5					7.5	13.0
NE	.1	1.1	3.4	5.8	2.3	.4					13.1	12.6
ENE	.1	1.5	4.5	7.1	3.4	1.3	.1				18.0	13.3
E	.2	2.5	5.0	6.8	3.3	.3	.0				18.0	11.9
ESE	.1	1.8	2.9	1.5	.2						6.6	8.9
SE	.1	.7	2.1	1.1	.2						4.1	9.4
SSE	.1	.7	1.6	.8	.3	.1					3.6	10.0
S	.1	.9	1.8	1.0	.3	.1					4.3	10.0
SSW	.0	.6	1.1	.6	.3						2.6	10.1
SW	.0	.6	1.2	.7	.1						2.6	9.3
WSW	.0	.7	1.1	.4	.1						2.3	8.8
W	.1	1.0	1.0	.3	.0						2.4	7.4
WNW	.1	.6	.5	.1	.0						1.3	7.1
NW	.1	.7	.8	.5	.2						2.4	8.8
NNW	.1	.8	1.0	.5	.2	.0					2.7	8.9

VARIABLE

CALM	1.5	16.5	32.0	32.4	13.3	2.9	.1	.0			100.0	11.1
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TOTAL NUMBER OF OBSERVATIONS: 6878

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 USAFETAC
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 912450 STATION NAME: WAKE ISLAND PERIOD OF RECORD: 77-86
 MONTH: FEB HOURS(LST): 0000-0200

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56	
N		.9	2.1	.9							3.9	8.6
NNE		.3	1.8	3.2	.9	.1					6.2	12.9
NE		1.1	3.7	4.8	1.9	.1					11.6	12.2
ENE	.4	3.7	6.8	8.8	3.2	.8					23.6	11.7
E	.5	6.9	7.6	4.2	.9	.4					20.5	9.0
ESE	.4	3.0	2.4	.9							6.7	7.1
SE		1.6	.9	1.5							4.0	8.9
SSE	.1	.8	1.6	1.4	.1						4.0	9.7
S	.3	1.1	2.1	1.5	.3						5.3	9.2
SSW	.5	1.4	.1	.3							2.3	9.2
SW	.3	1.3	.1								1.6	8.6
WSW	.1	.5									.6	5.4
W	.3	.3	.4	.9							1.8	9.4
WNW	.5	.9	.3								1.6	8.8
NW	.3	.3									.5	6.3
NNW	.5	.6	.5								1.6	8.5
VARIABLE												
CALM	////////////////////											4.0
TOTALS	2.0	22.2	33.8	29.0	7.4	1.4					100.0	9.7

TOTAL NUMBER OF OBSERVATIONS: 792

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 USAF/ETC
 AIR WEATHER SERVICE/HAC

STATION NUMBER: 912450		STATION NAME: WAKE ISLAND		PERIOD OF RECORD: 77-86		HOURS (LST): 0300-0500							
				MONTH: FEB									
				WIND SPEED IN KNOTS									
DIRECTION (DEGREES)	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56	TOTAL Σ	MEAN WIND
N		.9	1.8	1.0	.1							3.8	8.9
NNE		.3	2.3	3.4	1.6	.1						7.7	13.2
NNE	.1	1.9	5.0	4.5	1.9	.3						13.7	11.3
ENE	.3	5.1	4.8	7.7	1.9	1.3						21.2	11.1
E	.9	4.5	9.5	4.1	1.0	.1						20.1	9.1
ESE	1.2	4.8	2.6									8.6	5.8
SE		.6	1.8									2.3	7.3
SSE	.1	1.2	.9	.6								2.8	7.8
S	.3	.9	2.5	1.0	.3							5.0	8.7
SSW		.7	1.6	1.2								3.5	9.1
SW		.4	1.2	.1								1.8	8.0
WSW		.1	.3									.4	6.3
W	.1	1.0	.4	.4								2.0	6.9
WNW		.3	.7									1.0	8.3
NW			.6	.4	.3							1.3	11.9
NNW				.7								.7	12.6
.....													
VARIABLE	.....											
.....													
CALM	////////////////////												
TOTALS	3.1	22.8	35.9	25.3	7.2	1.9						100.0	9.4

TOTAL NUMBER OF OBSERVATIONS: 685

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
USAFETAC FROM HOURLY OBSERVATIONS
AIR WEATHER SERVICE/MAC

STATION NUMBER: 912450 STATION NAME: WAKE ISLAND PERIOD OF RECORD: 77-86
MONTH: FEB HOURS(LST): 0600-0800

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56	
N												4.0 9.6
NNE	.1	.3	2.2	3.7	1.2	.1						7.7 12.9
NE	.1	2.1	4.5	4.8	1.6	.5	.5					14.2 12.2
ENE	.7	3.4	6.7	7.1	2.6	.8						21.4 11.1
E		4.8	7.3	4.8	.4							17.3 9.1
ESE	.4	4.2	4.0	.4								9.0 6.8
SE		.3	2.3	.8								3.4 8.9
SSE		.7	1.6	1.1	.1							3.6 8.9
S		1.1	2.5	1.5	.4							5.5 9.7
SSW		.8	1.9	.5								3.3 8.6
SW		.7	1.0	.1								1.8 7.5
WSW		.4	.4	.1								1.0 7.3
W		.3	.7	.3								1.2 8.3
WNW		.1	.3									.4 7.3
NW		.5	.5	.7								1.8 9.4
NNW		.3	.1	.5								1.0 9.7
VARIABLE												
CALM												3.6 11.1
TOTALS	1.4	20.8	37.4	28.2	6.6	1.5	.5					100.0 9.7

TOTAL NUMBER OF OBSERVATIONS: 750

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 USAFETAC
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 912450 STATION NAME: WAKE ISLAND PERIOD OF RECORD: 77-86
 MONTH: FEB HOURS(LST): 0900-1100

WIND SPEED IN KNOTS

DIRECTION (DEGREES)	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56	TOTAL	MEAN
N	.3	1.2	1.5	.9								3.9	8.0
NNE	.1	.8	1.7	3.0	.9	.1						6.6	11.8
NC		.8	3.6	6.7	1.8	.6	.3					13.8	13.3
ENE		1.0	6.8	9.9	2.7	.8						21.3	12.4
E		2.1	8.2	7.9	1.2	.1						19.5	10.8
ESE		.8	3.9	1.9	.1							6.7	9.7
SE		.8	3.6	.9								5.3	8.6
SSE		.5	1.5	.5	.6							3.2	10.8
S	.4	1.2	3.2	3.0	.3							8.0	9.8
SSW		.3	1.2	1.7	.3							3.4	11.0
SW		.3	.8	.4	.1							1.5	9.3
WSW		.1	.5		.1							.8	10.0
W		.9	.8	.1								1.8	7.2
WNW		.1	.3									.4	7.0
NW	.1	.4	.4	.5								1.4	9.4
NNW		.4	.4	.9								1.7	10.4

VARIABLE

CALM	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
TOTALS	.9	11.5	38.4	38.3	8.1	1.7	.3					100.0	10.9

TOTAL NUMBER OF OBSERVATIONS: 776

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
USAFETAC FROM HOURLY OBSERVATIONS
AIR WEATHER SERVICE/MAC

STATION NUMBER: 912450 STATION NAME: WAKE ISLAND PERIOD OF RECORD: 77-86
MONTH: FEB HOURS(LST): 1200-1400

DIRECTION (DEGREES)	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56	TOTAL	MEAN WIND
N													
NNE		.1	.3	1.5	2.2	1.1						5.2	12.6
NE			.9	4.3	6.7	2.5	.6					15.1	12.9
ENE			1.3	5.2	7.2	2.3	1.1					17.1	12.7
E			1.4	7.2	8.9	1.1	.4					19.0	11.5
ESE			.4	3.5	2.2	.1						6.2	10.2
SE			.6	3.2	2.3							6.1	9.7
SSE			1.4	2.9	1.4	.1						5.8	9.0
S			1.8	3.0	2.2	.4	.1					7.5	10.0
SSW			1.1	1.1	.8	.5						3.5	10.3
SW			1.1	.5	.8							2.4	8.3
WSW			.3	.6	.6							1.5	10.8
W				1.0	.5							1.5	10.0
WNW		.1	.1	.8	.3							1.3	8.0
NW			.1	.1	.5							.8	10.0
NNW			.4	1.0	1.1							2.5	9.8

VARIABLE

//////////////////// 0.3 //

0.3 11.5 38.7 38.8 8.2 2.3 100.0 11.2

TOTAL NUMBER OF OBSERVATIONS: 789

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 USAFETAC FROM HOURLY OBSERVATIONS
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 912450 STATION NAME: WAKE ISLAND PERIOD OF RECORD: 77-86
 MONTH: FEB HOURS(ULST): 1500-1700

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL Σ	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55		
N	.5	.5	2.9	1.9	.3	.1					5.7	10.6
NNE	.1	.5	1.4	2.0	1.3						5.4	12.6
NE		.8	5.2	5.6	1.8	.5	.3				14.2	12.6
ENE		1.9	5.7	9.6	3.3	.9					21.4	12.7
E		1.1	6.1	7.1	1.5	.3					16.2	11.3
ESE		.8	2.9	2.3							6.0	9.8
SE		.8	2.4	1.8							5.0	9.7
SSE		1.1	2.0	1.1							5.0	8.0
S	.3	1.3	3.4	2.2	.1						7.3	9.0
SSW		1.0	1.3	1.0	.4						3.7	10.2
SW		.6	.3	.8	.3						1.9	10.5
WSW		1.0	.4	.6	.1						2.2	9.1
W		.8	.4	.5							1.7	7.8
WNW		.5	.9								1.4	8.0
NW		.1	.4	.5							1.0	10.4
NNW		.3	.6	.9							1.8	10.7

VARIABLE												
CALM	////////////////////											
TOTALS	.4	13.8	36.5	38.0	9.1	1.8	.3				100.0	11.1

TOTAL NUMBER OF OBSERVATIONS: 784

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
USAFETAC
AIR WEATHER SERVICE/MAC

STATION NUMBER: 912450 STATION NAME: WAKE ISLAND

PERIOD OF RECORD: 77-86
MONTH: FEB HOURS(LST): 1800-2000

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55		
N	1.0	1.9	2.0	.1							5.1	9.8
NNE	1.2	1.4	2.2	.5							5.2	10.9
NE	.8	3.5	6.4	2.4	.6						13.7	13.1
ENE	3.1	7.8	11.0	2.7	1.0						25.6	11.8
E	.1	3.5	6.8	4.0	1.4	.3					16.0	10.2
ESE	.3	1.5	2.8	1.7							6.3	8.3
SE	1.8	2.3	.8	.3							5.1	8.4
SSE	.1	1.2	1.7	.4							3.3	7.6
S	1.4	2.7	1.3								5.4	9.1
SSW	.1	.6	.9	.9	.3	.1					2.9	10.3
SW	.1	.5	1.2	.3							2.0	7.8
WSW	.1	.1	.1	.5							.8	10.3
W	1.3	.5	.8	.3							2.8	9.4
WNW	.5	.6	.1								1.3	7.7
NW	.1	.5	.6								1.3	6.0
NNW	.8	1.0	.5	.1							2.4	9.4

VARIABLE

CALM

TOTALS

//////////////////// .6
 .9 19.7 35.9 32.8 8.1 2.0 100.0 10.4

TOTAL NUMBER OF OBSERVATIONS: 781

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 USAFCTAC
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 912450 STATION NAME: WAKE ISLAND PERIOD OF RECORD: 77-86
 MONTH: FEB HOURS(SLST): 2100-2300

WIND SPEED IN KNOTS

DIRECTION (DEGREES)	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL	MEAN WIND
N	.1	1.5	1.8	1.9	.3	.3						5.8	10.1
NNE		.6	1.3	1.9	.4	.1						4.3	11.6
NE		1.8	3.7	7.0	2.5	.1						15.1	12.5
ENE	.3	3.9	8.1	8.9	2.8	.8						24.7	11.4
E	.3	5.3	7.7	4.1	1.9	.3						19.5	9.6
ESE	.1	3.0	2.7	.9								6.7	7.3
SE		.6	1.5	1.3								3.4	9.6
SSE	.1	1.3	.4	1.0								2.8	8.5
S	.3	1.1	2.7	1.0	.3							5.3	9.0
SSW	.1	1.6	.8									2.5	9.4
SW	.1		.3									.4	9.3
WSW	.1	.1	.1									.4	6.0
W		.9	1.0	.6		.1						2.7	8.8
WNW	.1	.5	.1	.4								1.1	7.7
NW		.4	.5	.3								1.1	8.0
NNW		.4	.5	.6	.1							1.6	10.3

VARIABLE

CALM	////////////////////	2.4	////
TOTALS	1.4 21.8 33.7 30.8 8.2 1.6	100.0	10.1

TOTAL NUMBER OF OBSERVATIONS: 789

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 USAFETAC
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 92450 STATION NAME: WAKE ISLAND PERIOD OF RECORD: 77-86
 MONTH: FEB HOURS (LST): ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL Σ	MEAN WIND
	3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56-66	
N	.0	.9	2.0	1.5	.1	.0					4.6	9.5
NNF	.1	.5	1.7	2.7	1.0	.1					6.0	12.4
NE	.0	1.2	4.2	5.8	2.1	.4	.1				13.9	12.5
ENE	.2	2.9	6.5	8.8	2.7	.9					22.1	11.8
E	.2	3.7	7.5	5.6	1.2	.2					18.5	10.1
ESE	.3	2.3	3.1	1.3	.0						7.0	8.0
SE	.9	2.3	1.2	.0							4.4	9.0
SSE	.1	1.1	1.6	.9	.1						3.8	8.8
S	.2	1.2	2.8	1.7	.2	.0					6.2	9.4
SSW	.0	.7	1.4	.9	.2	.0					3.1	9.8
SW	.0	.5	.8	.4	.0						1.7	8.6
WSW	.0	.3	.3	.2	.0						1.0	8.8
W	.0	.7	.7	.5	.0	.0					1.9	8.5
WNW	.0	.3	.6	.1							1.1	8.0
NW	.0	.3	.4	.4	.0						1.1	9.0
NNW	.4	.6	.7	.0							1.7	9.9

VARIABLE

CALM	////////////////////										2.0	////
TOTALS	1.3	17.9	36.3	32.8	7.9	1.8	.1				100.0	10.3

TOTAL NUMBER OF OBSERVATIONS: 6126

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
USAFETAC FROM HOURLY OBSERVATIONS

AIR WEATHER SERVICE/MAC

STATION NUMBER: 912450 STATION NAME: WAKE ISLAND

PERIOD OF RECORD: 77-86
MONTH: MAR HOURS(LST): 0000-0200

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56	
N	.1	.5	1.1	.2	.2	.2	.2	.2	.2	.2	.2	13.6
NNE	.6	.2	1.5	.3	.3	.3	.3	.3	.3	.3	.3	15.0
NE	1.8	1.7	3.9	2.7	1.0	.1	.1	.1	.1	.1	.1	13.7
ENE	.1	1.8	6.0	13.6	8.3	3.3	.2	.2	.2	.2	.2	14.7
E	.2	3.7	7.4	11.1	4.4	.7	.7	.7	.7	.7	.7	12.1
ESE	.6	1.7	2.6	.7	.1	.1	.1	.1	.1	.1	.1	7.6
SE	.1	.9	1.0	.2	.1	.1	.1	.1	.1	.1	.1	8.8
SSE	.9	.2	.5	.5	.5	.5	.5	.5	.5	.5	.5	7.8
S	.1	.8	.9	1.0	.2	.2	.2	.2	.2	.2	.2	10.1
SSW	.1	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	8.8
SW	.9	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	5.2
WSW	.7	.3	.3	.3	.1	.1	.2	.2	.2	.2	.2	11.9
W	.1	.8	.2	.1	.1	.1	.1	.1	.1	.1	.1	5.8
WNW	.3	.5	.3	.3	.3	.3	.3	.3	.3	.3	.3	5.5
NW	.1	.6	.1	.1	.1	.1	.1	.1	.1	.1	.1	6.0
NNW	.2	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	8.8

VARIABLE

CALM

TOTALS

1.8 16.0 22.2 34.7 17.7 5.7 .6 100.0 12.3 1.2

TOTAL NUMBER OF OBSERVATIONS: 881

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
USAFETAC
AIR WEATHER SERVICE/MAC

STATION NUMBER: 912450 STATION NAME: WAKE ISLAND PERIOD OF RECORD: 77-86
MONTH: MAR HOURS(LST): 0300-0500

DIRECTION (DEGREES)	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56	TOTAL	MEAN
N													
NNE			.7	1.3	1.5	1.4	.1					5.1	13.3
NE			1.8	1.7	5.5	2.8	1.7					13.5	14.4
NNE			2.7	5.5	15.5	7.3	2.7	.1	.1			33.9	14.1
E	.1	2.4	6.3	10.5	2.5	.3						22.2	11.7
ESE	.6	2.5	2.3	.8								6.2	7.2
SE	.3	.7	1.5	1.0	.1	.1						3.8	9.6
SSE	.1	.7	.7	.3	.1							2.0	8.4
S		1.1	.6	.7	.3							2.7	9.4
SSW	.6	.3	.4	.3								1.5	10.2
SW	.1	.6										.7	7.2
WSW	.1	.1				.1						.4	15.0
W	.1	.3	.1	.1								.7	12.8
WNW	.6											.6	5.5
NW	.1	.3	.1									.6	8.3
NNW		.4	.1									.6	9.8

VARIABLE

CALM

TOTALS

1.1 14.9 22.2 38.1 15.2 5.3 .4 .1 100.0 12.1

2.5

TOTAL NUMBER OF OBSERVATIONS: 711

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 USAFETAC
 AIR WEATHER SERVICE/HAC

STATION NUMBER: 912450 STATION NAME: WAKE ISLAND PERIOD OF RECORD: 77-86
 MONTH: MAR HOURS(LST): 0600-0800

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56	
N				.1	.9	.2	.1				1.7	13.9
NNE		.2	1.3	1.3	2.0	.4					5.3	14.3
NE	.2	1.1	2.6	4.8	2.7	1.0					12.3	13.5
NNE		1.8	5.5	12.1	9.0	2.4					30.9	14.6
E		2.9	8.4	11.6	3.1	.1					26.2	11.6
ESE	.6	2.3	3.1	1.5	.1						7.6	7.8
SE		1.1	1.1	.7		.1					3.1	9.3
SSE	.2	.5	1.0	.2			.2				2.2	11.1
S	.1	1.7	.6	.9							3.3	8.0
SSW		.5	.7	.2	.1						1.6	9.0
SW		.5	.4	.1	.2						1.2	9.7
WSW		.1	.2	.1							.5	10.3
W			.5	.1							.6	8.0
NNW		.4			.1						.5	9.8
NW			.2	.2							.5	12.0
NNW		.5	.1	.5							1.1	9.4
VARIABLE												
CALM	////////////////////											1.5
TOTALS	1.2	14.1	25.9	35.2	17.4	4.3	.2	.2			100.0	12.2

TOTAL NUMBER OF OBSERVATIONS: 818

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
USAFETAC FROM HOURLY OBSERVATIONS
AIR WEATHER SERVICE/MAC

STATION NUMBER: 912450 STATION NAME: WAKE ISLAND PERIOD OF RECORD: 77-86
MONTH: MAR HOURS(LST): 0900-1100

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL Σ	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	.1	1.1	.8	.7	.2	.1	.1				3.2	10.2
NNE		.2	.9	1.9	.8	.6					4.5	14.4
NE		1.3	2.7	5.8	3.2	1.3					14.3	14.0
NNE	.1	.7	2.6	12.9	9.2	2.0					27.5	15.3
E	.1	.8	4.4	15.0	6.4	.2					26.9	13.8
ESE		.7	2.4	2.0	.6		.1				5.8	11.2
SE	.1	.4	2.0	.9							3.4	9.3
SSE		1.2	.9	.8			.1				3.1	9.8
S	.1	2.0	3.2	.8				.1			6.2	8.5
SSW	.1	.1	.5	.7							1.4	10.4
SW	.1		.5	.2	.4						1.2	12.1
WSW		.1	.5								.6	7.8
W		.1	.5	.1							.7	9.7
WNW			.1		.2						.4	15.7
NW				.2							.2	15.0
NNW		.1	.2	.2	.1						.7	10.7

VARIABLE												
CALM	////////////////////										////	
TOTALS	.8	8.8	22.2	42.3	21.1	4.2	.1	.2	.1		100.0	13.2

TOTAL NUMBER OF OBSERVATIONS: 848

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 USAFETAC
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 912450 STATION NAME: WAKE ISLAND PERIOD OF RECORD: 77-86
 MONTH: MAR HOURS(LST): 1200-1400

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	.3	1.6	1.3	.1	.3	.3	.3	.3	.3	.3	.3	3.7
NNE	.5	.5	1.7	.7	.2	.1	.1	.1	.1	.1	.1	3.7
NE	.2	2.4	4.4	2.6	1.4	.1	.1	.1	.1	.1	.1	11.1
ENE	.1	.8	3.6	12.8	9.3	2.8	.6	.6	.6	.6	.6	29.4
E	.7	4.2	12.2	6.8	.6	.6	.6	.6	.6	.6	.6	24.4
ESE	.6	1.3	2.8	.3	.1	.1	.1	.1	.1	.1	.1	5.0
SE	.8	2.5	1.0	.2	.1	.1	.1	.1	.1	.1	.1	4.7
SSE	.1	.7	1.9	.8	.1	.1	.1	.1	.1	.1	.1	3.6
S	.1	2.3	3.7	.9	.2	.1	.1	.1	.1	.1	.1	7.3
SSW	.5	1.0	.3	.3	.3	.3	.3	.3	.3	.3	.3	1.8
SW	.3	.5	.2	.2	.2	.2	.2	.2	.2	.2	.2	1.0
WSW	.2	.5	.5	.2	.2	.2	.2	.2	.2	.2	.2	.9
W	.1	.3	.1	.2	.2	.2	.2	.2	.2	.2	.2	.8
WNW	.1	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.6
NW	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1
NNW	.2	.3	.8	.3	.3	.3	.3	.3	.3	.3	.3	1.7

VARIABLE

CALM
 TOTALS

TOTAL NUMBER OF OBSERVATIONS: 872

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 USAFETAC FROM HOURLY OBSERVATIONS
 AIR WEATHER SERVICE/HAC

STATION NUMBER: 912450 STATION NAME: WAKE ISLAND PERIOD OF RECORD: 77-86
 MONTH: MAR HOURS(IST): 1500-1700

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL Σ	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56	
N		.2	.6	1.7	.6	.4	.1					3.6 14.6
NNE		.1	.7	1.8	.8	.5						4.0 14.7
NE		.4	2.6	6.2	3.5	.5	.1					13.3 14.3
ENE		1.1	3.5	13.1	9.0	4.1						30.7 15.6
E		1.2	4.7	12.2	4.7	.5						23.2 13.4
ESE		.4	2.0	2.3	.4							5.0 11.3
SE		1.1	.8	.2		.1						2.3 8.3
SSE		.6	1.9	.7	.1							3.4 9.3
S	.1	1.4	3.2	.6		.1	.2					5.7 9.9
SSW		.5	1.4	.4								2.3 8.3
SW		.6	1.2	.5								2.3 8.1
WSW		.6	.2	.4								1.2 7.6
W		.1	.4	.4								.8 10.4
WNW			.2	.4	.4							1.0 14.5
NW				.2								.2 15.0
NNW		.2	.2	.5	.1							1.1 10.9

VARIABLE

CALM

TOTALS

.1 8.5 23.8 41.4 19.5 6.0 .4 .2 100.0 13.4

TOTAL NUMBER OF OBSERVATIONS: 835

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 USAFETAC
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 912450 STATION NAME: WAKE ISLAND										PERIOD OF RECORD: 77-86			
										MONTH: MAR			
										HOURS(LST): 1800-2000			
										WIND SPEED IN KNOTS			
DIRECTION (DEGREES)	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56	TOTAL	MEAN WIND
N	.5	.1	.7	.7	.7	.1						2.1	13.9
NNE		.1	1.4	2.1	.6	.6	.1					4.8	14.4
NE		.6	2.2	6.9	4.5	1.0						15.1	14.9
ENE		.6	3.8	12.6	8.9	3.8	.5					30.2	16.0
E	.1	1.7	7.9	10.7	4.2	.6						25.2	12.4
ESE	.1	.9	2.6	1.4								5.0	8.8
SE		1.0	1.1	.3								2.5	7.8
SSE		1.1	.6	.2		.1						2.1	7.7
S		1.5	2.1	.9								4.5	8.0
SSW		.6	.7	.1	.1		.1					1.5	9.0
SW		.7	1.0	.5		.2						2.4	10.4
WSW		.1	.3	.2							.7	.7	9.2
W		.7	.5	.2							1.4	1.4	7.4
WNW	.1	.1	.6	.2							1.0	1.0	8.3
NW		.1	.1	.3							.6	.6	10.6
MNW		.5	.1	.3							.9	.9	8.3
VARIABLE													
CALM	////////////////////												
TOTALS	.3	10.8	25.1	37.6	19.0	6.2	.9				100.0	13.1	

TOTAL NUMBER OF OBSERVATIONS: 672

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 USAFETAC
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 912450 STATION NAME: WAKE ISLAND PERIOD OF RECORD: 77-86
 MONTH: MAR HOURS(LST): 2100-2300

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL Σ	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56	
N				.6	.5	.7	.2					2.0 15.2
NNE		.3	.5	2.0	1.5	.6	.1					5.0 15.6
NE		.6	2.3	4.5	4.2	1.2						12.7 14.9
NNE	.1	1.3	5.5	12.6	8.8	4.0	.3					32.7 15.2
E	.3	2.5	7.5	12.1	3.2	.6						26.3 11.9
ESE		3.0	2.3	1.0								6.4 7.3
SE	.1	.6	.3	.3	.1							1.5 8.2
SSE		.9	.3	.5	.2							2.0 9.5
S		1.7	.8	.9								3.5 7.7
SSW		.2	.1									.3 5.3
SW	.1	.5	.5	.3								1.4 8.5
WSW		.6	.5		.1	.1						1.3 9.6
W	.2	.5	.7	.1								1.5 6.8
WNW	.2	.5	.3	.2								1.3 7.3
NW	.1	.1	.6									.8 6.4
NNW		.1	.2	.3								.7 9.5
VARIABLE												
CALM												.8
TOTALS	1.3	13.4	23.1	35.5	18.8	6.7	.5					100.0 12.7

TOTAL NUMBER OF OBSERVATIONS: 866

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 USAF/AFAC FROM HOURLY OBSERVATIONS
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 912450 STATION NAME: WAKE ISLAND PERIOD OF RECORD: 77-86
 MONTH: MAR HOURS(LST): ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55		
N	.0	.4	.6	1.0	.4	.2	.0	.0			2.7	13.0
NNE		.3	.8	1.7	1.1	.4	.0	.0			4.5	14.6
NE	.0	1.0	2.3	5.2	3.3	1.1	.0				12.9	14.4
ENE	.1	1.3	4.5	13.1	8.8	3.1	.1	.0			31.0	15.1
E	.1	2.0	6.4	11.9	4.5	.4					25.3	12.7
ESE	.2	1.5	2.3	1.6	.2	.0	.0	.0			5.8	9.0
SE	.1	.8	1.3	.6	.1	.0	.0				3.0	9.0
SSE	.1	.8	1.0	.5	.0	.0	.0	.0			2.5	9.1
S	.1	1.6	1.9	.9	.1	.0	.0	.1	.0	.0	4.6	9.0
SSW	.0	.4	.6	.3	.1	.0	.0				1.4	9.0
SW	.0	.5	.6	.2	.1	.0	.0	.0			1.4	8.9
WSW		.3	.3	.2	.1	.0	.0				.9	10.2
W	.0	.3	.4	.1	.0	.0					1.0	8.5
WNW	.1	.3	.2	.1	.1	.0					.8	9.2
NW	.0	.1	.2	.2							.5	8.8
NNW		.2	.3	.4	.1						1.0	10.3
VARIABLE												
CALM											.1	////
TOTALS	.9	11.8	23.6	38.1	18.8	5.5	.4	.1	.0	.0	100.0	12.8

TOTAL NUMBER OF OBSERVATIONS: 6703

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 USAFETAC FROM HOURLY OBSERVATIONS
 AIR WEATHER SERVICE/HAC

STATION NUMBER: 912450 STATION NAME: WAKE ISLAND PERIOD OF RECORD: 77-86
 MONTH: APR HOURS(LST): 0000-0200

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL Σ	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56	
N		.3	.6	.2							1.1	8.5
NNE		.3	.3	.2	.1						.7	11.5
NE		.3	1.3	4.8	3.7	1.3					11.3	15.8
ENE		1.3	5.8	16.3	9.0	1.5	.1				34.0	14.4
E	.2	3.6	13.7	19.5	3.1	.2					40.3	11.4
ESE	.1	2.2	3.3	.8							6.4	7.8
SE		1.0	.9	.6	.1						2.6	8.5
SSE	.2	.2	.6								1.0	6.6
S		.5	.5	.1							1.0	7.3
SSW				.5							.5	14.0
SW				.1							.1	12.0
WSW		.1		.1							.2	8.5
W												
WNW												
WW		.1									.1	5.0
NNW		.2	.1								.3	6.3
VARIABLE												
CALM	////	////	////	////	////	////	////	////	////	////	.1	////
TOTALS	.6	9.9	27.1	43.2	16.0	3.0	.1				100.0	12.5

TOTAL NUMBER OF OBSERVATIONS: 873

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 USAFETAC
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 912450 STATION NAME: WAKE ISLAND PERIOD OF RECORD: 77-86
 MONTH: APR HOURS (LST): 0300-0500

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N		.1	.4								.6	8.5
NNE		.1	.6	.7	.4						1.8	11.6
NE	.1	1.0	1.7	5.6	3.0	.6					12.0	14.0
ENE	.1	1.4	6.1	17.1	8.3	1.7	.3				34.8	14.1
E	.1	4.4	13.8	14.6	3.4						36.4	11.0
ESE	.4	3.9	2.5	.8							7.6	7.1
SE	.1	1.0	.8	.4							2.3	7.4
SSE	.3	.1	.6	.3							1.2	11.9
S	.1	.6	.4	.6							1.7	8.0
SSW		.1	.3								.4	12.0
SW			.4								.4	13.7
WSW												
W												
WNW												
NW												
NNW		.1									.1	6.0
VARIABLE	////////////////////										.7	11.1
CALM	////////////////////										100.0	12.0
TOTALS	1.1	12.8	26.4	41.0	15.4	2.2	.3					

TOTAL NUMBER OF OBSERVATIONS: 726

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 USAFETAC
 AIR WEATHER SERVICE/HAC

STATION NUMBER: 912450 STATION NAME: WAKE ISLAND PERIOD OF RECORD: 77-86
 MONTH: APR HOURS(LST): 0600-0800

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55		
N		.1	.6	.1							.9	9.1
NNE		.3	.6	.6	.4	.1					2.0	12.1
NE		.3	2.1	6.0	4.0	.8	.1				13.3	15.0
ENE			1.6	5.4	14.9	9.3	1.8	.3			33.2	14.6
E	.5	3.9	13.6	15.1	2.8						35.9	11.0
ESE	.4	3.0	3.6	.8	.1						7.9	7.7
SE	.1	.9	.8	.8							2.5	8.1
SSE	.1	.1	1.0	.5	.1						1.9	9.7
S		.6	.5	.4							1.5	8.3
SSW												
SW				.4							.4	15.7
WSW												
W												
WNW	.1										.1	1.0
NW			.1	.1							.3	10.0
NNW												
VARIABLE												
CALM	////////////////////											
TOTALS	1.3	10.8	28.4	39.7	16.6	2.6	.4				100.0	12.3

TOTAL NUMBER OF OBSERVATIONS: 799

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 USAFETAC FROM HOURLY OBSERVATIONS
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 912450 STATION NAME: WAKE ISLAND PERIOD OF RECORD: 77-86
 MONTH: APR HOURS(LST): 0900-1100

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55		
N		.2	.4	.2							.8	8.0
NNE		.2	.4	.7	.1	.4					1.8	14.1
NE			1.7	5.2	3.5	1.1					11.5	15.5
NNE		.8	4.7	16.1	8.4	3.1	.2				33.3	15.2
E		1.8	7.0	19.8	7.4	.1	.1				36.2	13.3
ESE			2.5	4.4							6.8	11.4
SE		.7	2.1	1.3	.1						4.3	9.7
SSE		.4	1.4	.7	.1						2.6	9.9
S	.1	.5	.7	.4	.1						1.8	8.8
SSW		.1		.4							.5	11.0
SW				.1	.4						.5	16.5
WSW												
W												
WNW												
NW												
NNW												

VARIABLE

CALM	////////////////////										////////	
TOTALS	.1	4.7	20.8	49.2	20.2	4.6	.4				100.0	13.7

TOTAL NUMBER OF OBSERVATIONS: 847

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 USAF/ETAC FROM HOURLY OBSERVATIONS
 AIR WEATHER SERVICE/HAC

STATION NUMBER: 912450 STATION NAME: WAKE ISLAND PERIOD OF RECORD: 77-86
 MONTH: APR HOURS(LST): 1500-1700

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL Σ	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55		
N		.1		.2							.4	9.7
NNE			.6	.5	.1						1.2	12.6
NE		.4	2.6	5.3	5.1	1.8					15.1	15.4
ENE		.7	5.3	16.1	11.0	2.6	.5				36.1	15.1
E		.6	7.0	18.1	4.2	.4					30.2	13.1
ESE		1.1	2.2	2.8	.2						6.3	10.4
SE		.4	2.7	1.0							4.0	9.8
SSE		.5	2.1								2.6	7.3
S		.1	.5	.5							1.1	10.2
SSW		.1	.5	.6							1.2	11.6
SW		.2	.4		.1						.7	9.2
WSW				.1		.1					.2	18.5
W			.1								.1	10.0
WNW			.1	.1							.2	11.5
NW					.1						.1	20.0
NNW			.2								.2	7.5
VARIABLE												
CALM	////////////////////											
TOTALS	4.3 24.2 45.3 20.9 4.9 .5										100.0	13.6

TOTAL NUMBER OF OBSERVATIONS: 819

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 USAFETAC FROM HOURLY OBSERVATIONS
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 912450 STATION NAME: WAKE ISLAND PERIOD OF RECORD: 77-86
 MONTH: APR HOURS(LST): 1800-2000

DIRECTION (DEGREES)	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56	TOTAL	MEAN
N		.1	.2			.1						.5	10.3
NNE	.1	.1	.1	.5	.2	.1	.1					1.2	15.4
NE		.5	2.0	6.9	5.7	1.4						16.4	15.4
NNE		1.0	6.9	16.4	10.4	2.9						37.7	14.7
E		.8	10.0	15.9	4.1							30.7	12.3
ESE		1.3	2.8	1.3	.2	.1						5.7	9.5
SE		1.0	.7	.6		.1						2.4	8.8
SSE		.6	.3	.3								1.3	9.0
S		.6	.6	.2								1.4	7.8
SSW		.1	.2	.3								.7	11.2
SW		.3	.3	.2								.9	7.6
WSW		.1										.1	5.0
W		.1										.1	5.0
WNW	.1		.1									.2	6.5
NW		.1	.1									.2	6.5
NNW		.1										.1	6.0

VARIABLE

CALM	////////////////////											.3	////
TOTALS	.2	6.8	24.4	42.7	20.6	4.7	.1					100.0	13.3

TOTAL NUMBER OF OBSERVATIONS: 864

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 USAFETAC
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 912450 STATION NAME: WAKE ISLAND PERIOD OF RECORD: 77-86
 MONTH: APR HOURS(UT): 2100-2300

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55		
N											.5	7.8
NNE			.4	.2	.2	.1					.9	9.6
NE			.4	1.4	5.5	3.9	1.3				12.4	15.6
ENE			.7	6.8	15.9	10.5	2.6				36.4	14.8
E		2.1	10.7	20.4	3.5	.1					36.9	11.9
ESE	.2	2.6	3.0	.9	.1	.1					7.0	8.0
SE		.2	.4	.6							1.2	9.6
SSE	.4	.9	.1								1.4	7.8
S	.4	.7		.4	.1						1.2	8.4
SSW	.1	.1	.4								.6	11.4
SW	.1	.2	.1								.5	9.3
WSW												
W	.4										.4	4.7
WNW												
NW		.1	.2								.4	11.3
NNW	.1	.1									.2	7.0
VARIABLE												
CALM	////////////////////											
TOTALS	.2	7.8	25.1	44.4	18.2	4.1					100.0	12.9

TOTAL NUMBER OF OBSERVATIONS: 856

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
USAFETAC FROM HOURLY OBSERVATIONS
AIR WEATHER SERVICE/MAC

STATION NUMBER: 912450 STATION NAME: WAKE ISLAND PERIOD OF RECORD: 77-86
MONTH: APR HOURS(LST): ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL Σ	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56	
N	.2	.2	.3	.1	.0	.0	.0	.0	.0	.0	.6	8.7
NNE	.0	.1	.5	.6	.2	.1	.0	.0	.0	.0	1.4	12.4
NE	.0	.3	1.7	5.5	4.0	1.2	.0	.0	.0	.0	12.8	15.3
ENE	.0	1.0	5.8	16.0	9.8	2.4	.2	.0	.0	.0	35.2	14.8
E	.1	2.2	10.2	18.1	4.3	.1	.0	.0	.0	.0	35.1	12.2
ESE	.1	1.7	2.8	1.9	.2	.0	.0	.0	.0	.0	6.6	9.1
SE	.0	.7	1.3	.9	.0	.0	.0	.0	.0	.0	2.9	9.1
SSE	.0	.3	1.1	.3	.1	.0	.0	.0	.0	.0	1.9	8.8
S	.0	.5	.6	.3	.1	.0	.0	.0	.0	.0	1.5	8.8
SSW	.1	.1	.3	.0	.0	.0	.0	.0	.0	.0	.5	11.5
SW	.1	.1	.2	.1	.0	.0	.0	.0	.0	.0	.5	11.2
WSW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	12.6
W	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	5.8
WNW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	7.3
NW	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.1	10.2
NNW	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.2	7.1

VARIABLE

CALM	////////////////////	.2	////////////////
TOTALS	.4 7.4 24.8 44.3 18.7 3.9 .3	100.0	13.0

TOTAL NUMBER OF OBSERVATIONS: 6634

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
USAFETAC FROM HOURLY OBSERVATIONS
AIR WEATHER SERVICE/MAC

STATION NUMBER: 912450 STATION NAME: WAKE ISLAND PERIOD OF RECORD: 77-86
MONTH: MAY HOURS(LST): 0000-0200

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL Σ	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56	
N												.2 4.5
NNE		.1										.1 5.0
NE	.1	.8	.8	.9	.3	.1					3.1	10.6
ENE		1.0	7.6	13.2	4.2	.3					26.4	12.6
E	.1	3.1	16.1	29.9	2.8	.2					52.3	11.6
ESE	.5	2.5	3.6	2.1	.1						8.8	8.4
SE	.9	1.0	.6								2.5	7.8
SSE	.1	.3	.6	.2							1.3	8.0
S	.3	1.5	.9	.3							3.1	10.4
SSW	.1	.1	.1								.3	7.7
SW		.6									.6	8.2
WSW	.3	.1									.5	6.0
W												
WNW												
NN	.2										.2	4.5
NNW	.1										.1	3.0
VARIABLE												
CALM	////////////////////											.3 11.2
TOTALS	.9	10.2	32.1	48.0	7.8	.7					100.0	11.2

TOTAL NUMBER OF OBSERVATIONS: 863

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 USAFETAC FROM HOURLY OBSERVATIONS
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 912450 STATION NAME: WAKE ISLAND PERIOD OF RECORD: 77-86
 MONTH: MAY HOURS(LST): 0300-0500

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N		.8									.8	5.0
NNE		.4									.4	4.0
NE		.5	.9	1.5	.6						3.6	11.5
ENE		2.3	7.2	15.2	4.4						29.2	12.3
E	.3	6.1	17.7	22.7	2.7						49.4	10.8
ESE	.4	2.5	3.2	2.1	.1						8.3	8.5
SE	.1	.9	.8	.4							2.2	7.3
SSE		.3	.4	.6							1.3	10.5
S		.3	1.0	1.0	.3						2.6	11.3
SSW		.1									.1	5.0
SW												
WSW		.1	.3								.4	6.7
W		.1									.1	4.0
WNW		.1									.1	4.0
NW		.1									.1	4.0
NNW												
VARIABLE												
CALM	////////////////////											1.4
TOTALS	.8	14.6	31.5	43.6	8.1						100.0	10.8

TOTAL NUMBER OF OBSERVATIONS: 775

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
USAFETAC FROM HOURLY OBSERVATIONS
AIR WEATHER SERVICE/HAC

STATION NUMBER: 912450 STATION NAME: WAKE ISLAND PERIOD OF RECORD: 77-86
MONTH: MAY HOURS(LST): 0600-0800

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55		
N		.4	.4								.7	6.3
NNE		.1	.1	.1							.4	8.7
NE		.8	1.7	1.7	.4						4.6	10.7
ENE		1.2	4.6	20.9	5.2	.6					32.5	13.3
E		3.9	14.4	21.6	4.7	.1					44.7	11.7
ESE	.4	2.5	3.7	1.3	.1						8.1	8.0
SE		.7	.8	.4							1.9	8.2
SSE		.5	.5	.2							1.2	7.9
S		1.2	.8	1.8	.2						4.1	10.1
SSW		.1		.1							.2	8.0
SW			.1								.1	7.0
WSW			.2								.2	8.0
W			.1								.1	8.0
WNW												
NW												
NNW		.2									.2	5.5
VARIABLE												
CALM											.8	////
TOTALS	.4	11.7	27.5	48.2	10.6	.7					100.0	11.5

TOTAL NUMBER OF OBSERVATIONS: 628

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 USAF/AC FROM HOURLY OBSERVATIONS
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 912450 STATION NAME: WAKE ISLAND PERIOD OF RECORD: 77-86
 MONTH: MAY HOURS/ST: 0900-1100

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL Σ	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55		
N												
NNE			.1	.2	.1						.5	8.0
NE			.2	1.2	2.3	.3					4.1	12.1
ENE			.3	4.8	19.8	9.7	.2				34.8	14.4
E			.9	7.2	24.9	8.4	.3				41.8	13.6
ESE			.7	2.6	2.2	.1					5.6	10.2
SE			.5	2.3	1.2						4.0	9.6
SSE			1.3	1.3	.2						2.8	7.0
S			.6	1.6	2.1	.1					4.4	10.7
SSW			.3	.1	.2						.7	8.0
SW			.3								.3	4.3
WSW	.1	.1	.1								.3	6.0
W												
WNW												
NW			.1	.1							.2	10.5
NNW			.1								.1	5.0
VARIABLE												
CALM												
TOTALS	.1	5.7	21.7	53.3	18.6	.6					100.0	13.0

TOTAL NUMBER OF OBSERVATIONS: 858

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 USAF/ETAC
 AIR WEATHER SERVICE/HAC

STATION NUMBER: 912450 STATION NAME: WAKE ISLAND PERIOD OF RECORD: 77-86
 MONTH: MAY HOURS(IST): 1200-1400

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL Σ	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE. 56	
N												
NNE			.1	.1							.2	6.0
NE			.2	1.1	2.1	.6					4.0	12.5
ENE			.2	4.9	20.5	9.3	.9				35.8	14.5
E			.9	6.1	23.8	8.0	.2				39.0	13.7
ESE			.6	1.9	2.4	.7	.1				5.7	11.7
SE			.6	3.1	1.6						5.3	9.7
SSE			.8	.8	.7	.1					2.4	9.2
S			1.3	1.8	1.9	.1					5.1	9.8
SSW			.5	.1	.3						.9	9.8
SW			.1								.1	6.0
WSW			.1								.1	5.0
W				.1							.1	8.0
WNW			.1								.1	5.0
NW				.1							.1	11.0
NNW			.5	.1							.6	6.4
VARIABLE												
CALM												
TOTALS			5.9	20.3	53.8	18.8	1.3				100.0	13.1

TOTAL NUMBER OF OBSERVATIONS: 874

PERIOD OF RECORD: 77-86
MONTH: MAY HOURS(LST):

STATION NUMBER: 912450 STATION NAME: WAKE ISLAND

..DIRECTION
..(DEGREES)

WIND SPEED IN KNOTS

TOTAL	MEAN	WIND
3		

7 11.3

.6 10.2

5.2 12.4

36.4 14.2

38.7 13.4

5.3 11.5

4.0 8.4

2.1 8.8

4.3 9.9

1.7 9.4

1

.2 5.0

4.5

7.3

6.9 6.0

• • • • •

TOTAL NUMBER OF OBSERVATIONS: 807

GLOBAL CLIMATE LOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 USAFETAC
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 912450 STATION NAME: WAKE ISLAND PERIOD OF RECORD: 77-86
 MONTH: MAY HOURS(LST): 1900-2000

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56	
N		.9	.3								1.3	6.0
NNE		.1	.3	.1							.6	8.2
NE		.2	1.3	2.1							3.6	11.4
ENE		.3	6.4	22.8	7.1	1.2					37.9	13.7
E		1.3	8.3	28.1	4.6	.6					42.8	13.0
ESE		1.2	2.1	1.3							4.5	8.8
SE		.8	.6	.3	.3						2.1	9.5
SSE		.3	1.4	.3							2.1	8.4
S	.1	.2	1.3	.5	.3						2.4	10.4
SSW		.5	.3	.3							1.2	8.8
SW		.2	.2								.5	7.0
WSW		.3									.3	5.7
W												
WNW				.1							.1	14.0
NW		.1	.1								.2	7.0
NNW		.1	.1								.2	6.0
VARIABLE												
CALM											.3	////
TOTALS	.1	6.7	22.8	55.9	12.4	1.7					100.0	12.5

TOTAL NUMBER OF OBSERVATIONS: 869

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 USAFETAC
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 912450 STATION NAME: WAKE ISLAND PERIOD OF RECORD: 77-86
 MONTH: MAY HOURS(1ST): 2100-2300

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL Σ	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56	
N											.3	5.0
NNE		.5	.2	.1							.8	7.4
NE		.3	1.2	1.5	.6						3.6	11.8
NNE		.8	6.0	17.4	6.2	.9					31.3	13.4
E	.2	3.0	14.3	27.0	4.7						49.3	11.9
ESE		2.4	1.6	2.6	.3						6.9	9.5
SE		.7	.5	.2	.1						1.5	7.7
SSE		.2	.8	.5							1.5	9.2
S	.1	.5	1.1	.5	.5						2.6	10.0
SSW	.1		.5	.1							.7	7.7
SW	.1	.1	.5								.7	7.3
WSW		.1									.1	5.0
W		.1									.1	5.0
WNW												
NN												
NNW		.1	.2								.3	8.0
VARIABLE												
CALM												
TOTALS	.6	9.1	26.9	49.8	12.4	.9					100.0	11.9

TOTAL NUMBER OF OBSERVATIONS: 886

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED.
 USAFETAC
 AIR WEATHER SERVICE/HAC

STATION NUMBER: 912450 STATION NAME: WAKE ISLAND PERIOD OF RECORD: 77-86 MONTH: MAY HOURS (LST): ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL Σ	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56	
N		.3	.2	.0	.0	.0					.6	6.9
NNE		.2	.2	.1							.4	7.7
NE	.0	.4	1.2	1.8	.4	.0					4.0	11.7
NNE	.0	.8	5.9	18.8	6.8	.7					33.1	13.6
E	.1	2.4	11.4	25.3	5.3	.2					44.7	12.4
ESE	.1	1.6	2.5	2.1	.3	.0					6.6	9.4
SE	.0	.7	1.4	.7	.1						2.9	8.8
SSE	.0	.5	.9	.4	.0						1.8	8.5
S	.0	.6	1.4	1.2	.3						3.6	10.3
SSW	.0	.2	.2	.2							.7	8.6
SW	.0	.1	.2								.3	7.0
WSW	.0	.2	.1								.3	6.1
W	.1	.0									.1	5.7
WNW	.0	.0	.0	.0							.0	7.7
NW	.1	.1	.1	.0							.2	7.3
NNW	.0	.2	.1	.0							.3	6.2

VARIABLE									
CALM	////////////////////								.4
TOTALS	.4	6.5	25.8	50.7	13.2	1.0	100.0		12.1

TOTAL NUMBER OF OBSERVATIONS: 6760

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 USAFETAC
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 912450 STATION NAME: WAKE ISLAND PERIOD OF RECORD: 77-86
 MONTH: JUN HOURS(IST): 0000-0200

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL Σ	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55		
N	.1	.1									.2	3.5
NNE				.2							.2	12.5
NE	.2	.5	1.2	.7							2.6	8.5
ENE	.2	2.5	7.7	13.0	2.8						26.2	11.7
E	.1	3.8	18.4	27.8	1.3	.1					51.6	11.2
ESE	.1	2.9	6.9	2.6							12.6	8.3
SE		.5	1.2	.2		.1					2.0	9.0
SSE		.7	.2								1.0	5.8
S		.5	.1	.1							.7	7.2
SSH		.1	.4		.2						.7	11.2
SW												
WSW	.1										.1	1.0
W		.1									.1	5.0
WNW	.1										.1	3.0
NW			.1								.1	10.0
NNW		.1									.1	6.0

VARIABLE

CALM

TOTALS

1.1 11.8 56.2 44.7 4.3 .2 100.0 10.5 1.6 11.1

TOTAL NUMBER OF OBSERVATIONS: 836

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 USAF/ETAC FROM HOURLY OBSERVATIONS
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 912450 STATION NAME: WAKE ISLAND PERIOD OF RECORD: 77-86
 MONTH: JUN HOURS(LST): 0300-0500

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55		
N	.1	.1	.1	.1							.4	8.3
NNE		.1									.1	5.0
NE	.1	.3	.3	.7	.3						1.8	11.1
ENE	.6	1.2	8.5	11.8	2.0	.1					24.2	11.4
E	.1	5.0	24.5	19.9	1.9						51.4	10.4
ESE	.6	4.5	7.0	2.2							14.3	7.8
SE		1.3	.9	1.0	.1						3.4	9.0
SSE		.6	.1								.7	5.8
S	.1	.6									.7	4.4
SSW		.1	.1		.4						.7	14.0
SW				.1							.1	11.0
WSW		.1	.1								.3	6.0
W	.1	.1									.3	4.0
WNW												
NW												
NNW												
VARIABLE												
CALM	////////////////////											1.5
TOTALS	1.8	14.2	41.8	35.9	4.8	.1					100.0	10.0

TOTAL NUMBER OF OBSERVATIONS: 685

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
USAFETAC FROM HOURLY OBSERVATIONS
AIR WEATHER SERVICE/HAC

STATION NUMBER: 912450 STATION NAME: WAKE ISLAND

PERIOD OF RECORD: 77-86
MONTH: JUN HOURS(LST): 0600-0800

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56	
N	.3	.3									.3	5.0
NNE	.1	.1	.3								.5	6.8
NE	.1	.8	.8	.8	.1						2.6	9.1
ENE	.1	1.8	6.7	14.1	2.6						25.3	12.0
E	.1	3.2	17.7	25.9	3.9						50.8	11.4
ESE	.4	3.6	5.8	2.3	.5	.1					12.7	8.6
SE	.6	1.5	.8								3.0	8.4
SSE	.1	.5	.4	.1							1.2	7.1
S	.3	.4	.1	.1	.1						.9	9.6
SSW	.1	.3	.1	.1	.3						.8	11.2
SW	.4	.1									.5	6.3
WSW	.1										.1	5.0
W	.1										.1	4.0
WNW	.1										.1	4.0
NW												
NNW			.1								.1	7.0

VARIABLE

CALM

TOTALS

1.0 12.1 34.0 44.3 7.4 .1 100.0 10.8

TOTAL NUMBER OF OBSERVATIONS: 779

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 USAFETAC FROM HOURLY OBSERVATIONS
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 912450 STATION NAME: WAKE ISLAND

PERIOD OF RECORD: 77-86
 MONTH: JUN HOURS(LST): 1200-1400

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL Σ	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56	
N		.1	.2								.4	7.0
NNE		.2	.4	.1							.7	7.5
NE		.6	.7	1.5	.4						3.2	11.2
ENE	.1	1.5	5.5	17.5	5.7	.2					30.6	13.4
E		1.8	9.1	27.4	7.5	.5					46.2	13.3
ESE	.1	.8	2.1	3.7	.4	.1					7.3	11.1
SE		.2	2.5	1.6	.1						4.4	10.2
SSE		.7	1.4	.2							2.3	7.6
S		1.5	1.1	.4							2.9	7.0
SSW		.1	.2	.2							.6	9.8
SW		.9									.9	5.1
WSW		.1									.1	6.0
W				.2	.1						.4	14.0
WNW												
NW												
NNW												
VARIABLE												
CALM	////////////////////											
TOTALS	.2	8.7	23.2	53.0	14.2	.8					100.0	12.5

TOTAL NUMBER OF OBSERVATIONS: 855

AIR WEATHER SERVICE/MAC

PERIOD OF RECORD: 77-86

MONTH: JUN HOURS(LST): 1500-1700

..... WIND SPEED IN KNOTS

[illegible]

VARIABLE

310

TOTAL 3

TOTAL NUMBER OF OBSERVATIONS: 707

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
USAFETAC FROM HOURLY OBSERVATIONS
AIR WEATHER SERVICE/MAC

STATION NUMBER: 912450 STATION NAME: WAKE ISLAND

PERIOD OF RECORD: 77-86
MONTH: JUN HOURS(LST): 1800-2000

DIRECTION (DEGREES)	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL	MEAN WIND
N		.1	.1									.2	7.5
NNE		.1	.2	.5								.9	9.6
NE		1.1	1.3	1.6	.1							4.1	9.7
NNE		1.0	7.8	20.0	4.6	.2						33.6	13.0
E	.1	2.2	12.1	28.5	3.4							46.3	12.1
ESE	.1	1.3	4.1	3.2	.2							9.0	9.5
SE		.7	1.1	.2								2.1	7.4
SSE			.2	.5								.7	10.8
S	.4	.5	.2									1.1	5.1
SSW		.2		.2								.5	9.3
SW		.5		.1								.6	6.2
WSW		.4	.1									.5	6.5
W		.1										.1	4.0
WNW													
NW													
NNW		.1										.1	5.0
VARIABLE	////////////////////												
CALM	////////////////////												
TOTALS	.6	8.4	27.4	54.8	8.4	.2						100.0	11.7

TOTAL NUMBER OF OBSERVATIONS: 821

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 USAFETAC
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 912450 STATION NAME: WAKE ISLAND

PERIOD OF RECORD: 77-86
 MONTH: JUN HOURS(LST): 2100-2300

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL Σ	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N												
NNE	.1	.2	.4								.7	6.5
NE	.2	.5	1.0	1.1	.2						3.0	10.0
ENE		2.2	7.7	16.1	4.6						30.6	12.4
E		2.7	15.0	28.6	3.5						49.8	11.7
ESE		3.4	5.0	1.7							10.1	7.8
SE		.4	.5	.2							1.1	7.6
SSE	.1	.4	.4								.9	6.7
S	.1	.6		.1							.9	6.1
SSW		.5	.2	.1							.9	6.7
SW		.4									.4	4.3
WSW		.1									.1	4.0
W			.1								.1	7.0
WNW												
NW												
NNW		.1									.1	4.0
VARIABLE												
CALM											.9	////
TOTALS	.6	11.9	30.2	48.0	8.4						100.0	11.1

TOTAL NUMBER OF OBSERVATIONS: 821

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 USAF/TAC FROM HOURLY OBSERVATIONS
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 912450 STATION NAME: WAKE ISLAND PERIOD OF RECORD: 77-86
 MONTH: JUN HOURS(IST): ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55		
N	.0	.2	.1	.0							.4	6.6
NNE	.0	.2	.2	.1							.5	7.9
NE	.1	.6	1.1	1.3	.2						3.3	10.0
ENE	.1	1.6	7.2	15.6	4.2	.1					28.8	12.6
E	.1	2.6	14.3	27.1	4.1	.2					48.4	12.0
ESE	.2	2.1	4.8	2.9	.2	.0					10.2	9.2
SE	.7	1.6	.9	.0	.0	.0					3.3	9.1
SSE	.0	.6	.5	.2							1.4	7.2
S	.7	.4	.1	.0							1.3	6.8
SSW	.2	.3	.2	.1							.8	9.9
SW	.0	.4	.1	.0							.5	5.6
WSW	.0	.2	.0								.2	5.6
W	.0	.1	.0	.0	.0						.2	8.4
WNW	.0	.0									.0	3.5
NW	.0	.0	.0								.0	7.3
NNW	.0	.0	.0								.1	5.5

VARIABLE

CALM

TOTALS

.7 10.2 30.6 48.6 8.9 .4 100.0 11.4

TOTAL NUMBER OF OBSERVATIONS: 6426

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 USAFETAC
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 912450 STATION NAME: WAKE ISLAND PERIOD OF RECORD: 77-86
 MONTH: JUL HOURS(LST): 0000-0200

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL Σ	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N		.1	.1								.2	6.5
NNE			.1	.1							.2	9.0
NE	.1	.5	.6	.4							1.5	7.2
NNE		1.4	4.4	6.3	.7						12.8	11.1
E	.1	6.6	22.9	18.5	1.8	.2					50.2	10.2
ESE	.1	4.7	10.5	6.0	.1	.1					21.6	8.9
SE	.1	.6	2.7	.9							4.4	8.6
SSE	.1	.4	1.1	.5	.1						2.1	9.1
S		.4	1.4	.6	.2						2.6	9.8
SSW		.1	.4	.4							.8	10.7
SW		.1	.4								.5	9.0
WSW		.1	.1	.2							.5	9.5
W		.2	.5	.1							.8	8.4
WNW		.1									.1	5.0
NW												
NNW			.2								.2	8.0
VARIABLE												
CALC											1.4	////
TOTALS	.6	15.3	45.3	34.0	3.0	.4					100.0	9.7

TOTAL NUMBER OF OBSERVATIONS: 847

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
USAFETAC FROM HOURLY OBSERVATIONS
AIR WEATHER SERVICE/MAC

STATION NUMBER: 912450 STATION NAME: WAKE ISLAND
PERIOD OF RECORD: 77-85
MONTH: JUL HOURS(LST): 0300-0500

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND	
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55			56
N													
NNE													
NE	.4	.4	.3	.1							1.3	6.4	
ENE	.3	2.2	6.2	7.3	.3						16.3	10.3	
E	.4	7.6	23.8	17.3	.6						49.8	9.7	
ESE	.6	5.1	10.4	4.8							21.0	8.5	
SE	.3	.9	3.4	.9							5.4	7.8	
SSE	.4	.4	.7	.4							1.6	8.2	
S		.3	1.2	.3	.1						1.9	9.0	
SSW				.3							.3	12.5	
SW			.1								.1	8.0	
WSW													
W			.9								.9	8.8	
WNW													
NW	.1										.1	3.0	
NNW													
VARIABLE													
CALM	////////////////////											1.2	////
TOTALS	2.2	17.0	47.0	31.6	1.0						100.0	9.2	

TOTAL NUMBER OF OBSERVATIONS: 681

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
USAFETAC FROM HOURLY OBSERVATIONS
AIR WEATHER SERVICE/HAC

STATION NUMBER: 912450 STATION NAME: WAKE ISLAND PERIOD OF RECORD: 77-86
MONTH: JUL HOURS (LST): 0600-0800

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-5	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56	
N	.1	.1	.1								.3	7.0
NNE			.1								.1	7.0
NE		.4	.6	.3							1.3	8.0
NNE	.3	.8	3.6	8.1	2.1						14.9	12.3
E	.4	4.4	19.9	21.9	1.9						48.4	10.7
ESE	.5	4.5	10.3	5.0	.4						20.7	8.9
SE	.1	1.6	2.9	1.8							6.4	9.1
SSE		.5	1.1	.8	.3						2.6	10.1
S		1.0	.5	.5	.1						2.1	8.4
SSW		.4		.1							.5	6.5
SW			.1								.1	8.0
WSW			.3								.3	8.5
W		.1	.6								.8	8.0
WNW		.1	.3								.4	7.7
W	.3		.1								.4	4.3
NNW		.3									.3	5.5

VARIABLE						
CALM	////////////////////					
TOTALS	1.5	14.1	40.6	38.4	4.8	100.0
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GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 USAFETAC FROM HOURLY OBSERVATIONS
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 912450 STATION NAME: WAKE ISLAND PERIOD OF RECORD: 77-86
 MONTH: JUL HOURS(LST): 0900-1100

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL Σ	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56	
N	.1	.6	.1	.1							.9	6.4
NNE		.3	.2	.1							.7	7.8
NE		.3	.6	.3							1.3	8.5
NNE	.1	.9	3.7	9.5	3.4						17.6	12.8
E		.7	10.7	27.3	5.6						44.3	12.8
ESE		.9	6.4	6.5	1.0						14.8	11.2
SE		1.5	5.1	3.6	.2						10.4	9.8
SSE	.2	.3	1.2	1.6	.6						3.9	11.4
S		.8	1.0	.7	.3						2.9	10.2
SSW		.2									.2	5.0
SW	.1	.3	.2								.7	5.8
WSW			.5	.1							.6	10.2
W			.2								.2	9.0
WNW												
NW			.3	.2							.6	10.6
NNW		.1	.2								.3	7.7

VARIABLE

CALM

TOTALS

100.0

11.8

TOTAL NUMBER OF OBSERVATIONS: 863

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 USAFETAC
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 912450 STATION NAME: WAKE ISLAND PERIOD OF RECORD: 77-86
 MONTH: JUL HOURS(LST): 1200-1400

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL Σ	MEAN WIND
	1-3	4-6	7-10	11-15	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N			.1	.5								.6
NNE	.1		.2	.1								.5
NE	.1	.6	.6	.5								1.7
NNE	.1	.6	5.1	8.1	3.5	.1						17.5
E		.6	10.1	28.3	5.3	.3						44.7
ESE		1.0	6.1	5.6	1.0	.1						13.9
SE		1.1	4.4	3.9								9.4
SSE		.5	1.8	1.6	.3							4.2
S		1.0	1.6	.5	.5							3.5
SSW	.5	.1	.2	.2	.2							1.0
SW	.2	.5										.7
WSW	.5	.3										.8
W	.2	.1	.2									.6
WNW												
NW		.2	.1									.3
NNW	.1	.3	.2									.7
VARIABLE												
CALM												////
TOTALS	.3	6.9	32.0	49.0	11.1	.6						100.0

TOTAL NUMBER OF OBSERVATIONS: 880

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
USAFETAC
AIR WEATHER SERVICE/MAC

STATION NUMBER: 912450 STATION NAME: WAKE ISLAND PERIOD OF RECORD: 77-86
MONTH: JUL HOURS(LST): 1500-1700

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	.1	.1	.7	.1							1.0	8.0
NNE	.4	.2	.1								.7	7.3
NE	.4	1.6	1.1	.1							3.2	10.0
NNE	.2	5.4	9.8	4.8	.1						20.4	13.5
E	.1	1.0	13.1	25.7	4.6						44.5	12.3
ESE	.4	5.4	5.2	1.1							12.1	11.7
SE	1.0	5.4	3.0	.2	.1						9.8	10.0
SSE	1.1	1.2	1.0	.2							3.6	9.4
S	.1	.4	.7	.1	.1	.1					1.6	9.7
SSW	.5	.1	.2								.9	7.7
SW	.2	.2	.1								.4	9.3
WSW	.2	.2	.1								.6	7.4
W	.2	.2	.1								.6	7.4
WNW	.1										.1	9.0
NW												
NNW	.1	.1	.1								.4	8.7

VARIABLE

CALM
TOTALS

TOTAL NUMBER OF OBSERVATIONS: 809

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 USAFETAC
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 912450 STATION NAME: WAKE ISLAND														PERIOD OF RECORD: 77-86 MONTH: JUL HOURS (LST): 1800-2000			
		WIND SPEED IN KNOTS															
DIRECTION (OF GRES)		1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND			
N			.2	.2									.5	6.5			
NNE			.2	.4									.6	7.4			
NE			.4	.6	.8	.1							1.9	10.6			
FNE			1.2	5.1	10.6	2.9							19.8	12.2			
E			2.4	16.4	27.5	3.9							50.3	11.6			
ESE		.1	2.4	6.3	4.5	.5							13.8	9.8			
SE			.7	3.5	1.5	.1							5.8	9.3			
SSE			.5	.5	.7	.1							1.8	10.0			
S		.1	1.0	.8	.5	.2							2.6	8.8			
SSW			.4	.1	.4								.8	9.0			
SW			.1	.7									.8	8.3			
WSW				.2									.2	7.0			
W		.1			.1								.2	7.0			
WNW																	
NW																	
NNW			.1	.4									.5	8.0			
VARIABLE																	
CALM		////////////////////												.2	11.0		
TOTALS		.4	9.5	35.3	46.7	7.9							100.0	11.0			

TOTAL NUMBER OF OBSERVATIONS: 839

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 USAFETAC FROM HOURLY OBSERVATIONS
 AIR WEATHER SERVICE/HAC

STATION NUMBER: 912450 STATION NAME: WAKE ISLAND PERIOD OF RECORD: 77-86
 MONTH: JUL HOURS(LST): 2100-2300

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL	MEAN WIND SPEED
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56	
N												
NNE												
NE												
ENE												
E												
ESE												
SE												
SSE												
S												
SSW												
SW												
WSW												
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NNW												
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VARIABLE												
CALM												
TOTALS												

TOTAL NUMBER OF OBSERVATIONS: 848

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 USAFETAC
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 912450 STATION NAME: WAKE ISLAND PERIOD OF RECORD: 77-86
 MONTH: JUL HOURS(LST): ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	.0	.2	.3	.0							.5	7.0
NNE	.0	.1	.2	.1							.5	8.0
NE	.1	.4	.7	.5	.0						1.7	8.9
ENE	.1	1.1	4.9	8.4	2.4	.0					16.9	12.2
E	.1	3.4	17.0	24.1	3.2	.1					48.0	11.4
ESE	.2	2.9	8.1	5.2	.6	.0					16.9	9.7
SE	.1	1.0	3.7	2.1	.1	.0					7.0	9.5
SSE	.0	.5	1.0	.9	.2						2.7	10.1
S	.0	.7	1.0	.4	.3	.0					2.5	9.4
SSW	.3	.1	.2	.0							.6	9.2
SW	.0	.1	.4	.0							.5	7.6
KSW	.1	.3	.1								.5	8.1
W	.0	.1	.3	.1							.5	8.2
WNW	.0	.0	.0								.1	7.4
NW	.0	.0	.1	.0							.2	7.9
NNW	.1	.2	.0	.0	.0						.3	8.6

VARIABLE

CALM

TOTALS

.7 11.1 38.4 42.2 6.9 .2

100.0 10.8

TOTAL NUMBER OF OBSERVATIONS: c566

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
USAFETAC FROM HOURLY OBSERVATIONS
AIR WEATHER SERVICE/MAC

STATION NUMBER: 912450 STATION NAME: WAKE ISLAND PERIOD OF RECORD: 77-86
MONTH: AUG HOURS(LST): 0000-0200

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND SPEED
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N												.7 5.0
NNE				.3							.3	9.0
NE		.9	.8	.8							2.4	8.5
ENE	.2	2.7	6.0	4.7	.4						14.0	9.6
E	.1	7.9	16.4	13.6	1.6	.7					40.2	10.0
ESE	.1	4.3	7.9	3.3	.6	.1					16.4	8.9
SE	.1	1.2	3.3	1.3	.2	.1					6.3	9.3
SSE		.6	1.8	.7	.4	.1					3.6	10.6
S	.7	.7	1.7	1.3	1.1						5.5	10.5
SSW	.1	.3	.8	.4	.4	.2	.1				2.4	13.0
SW		.4	.9	.2	.3	.7					2.6	13.8
WSW	.1	.2	.4		.2						1.0	9.8
W		.4	.1	.2	.1						.9	9.3
WNW	.1	.6									.7	5.0
NW		.1	.3								.4	7.3
NNW		.1		.3							.4	11.3

VARIABLE												
CALM	////////////////////											2.1
TOTALS	1.6	21.2	40.8	26.9	5.5	1.9	.1				100.0	9.1

TOTAL NUMBER OF OBSERVATIONS: 898

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 USAFETAC
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 912450 STATION NAME: WAKE ISLAND PERIOD OF RECORD: 77-86
 MONTH: AUG HOURS(IST): 0300-0500

WIND SPEED IN KNOTS

DIRECTION (DEGREES)

1-3 4-6 7-10 11-16 17-21 22-27 28-33 34-40 41-47 48-55 GE 56 TOTAL MEAN WIND

N .7 .3 .9 7.4

ENE .1 .5 .3 .9 7.1

NE .8 1.4 .5 .3 3.0 9.4

ENE .4 1.7 5.5 3.5 .5 11.7 9.6

E .3 10.2 15.6 10.1 1.4 .1 37.8 9.2

ESE .3 6.2 8.8 4.2 .1 19.6 8.2

SE .1 2.6 2.4 1.8 .1 7.1 8.6

SSE 1.1 1.8 1.1 .3 4.2 9.3

S 2.0 1.1 1.6 .3 4.9 9.3

SSW .1 .7 1.1 .7 .1 .3 3.5 12.7

SW .7 .3 .1 .1 .1 1.3 9.8

WSW .5 .3 .1 .9 7.6

W .1 .3 .3 .7 6.8

WNW

NW .5 .5 7.8

NNW .4 .1 .5 5.5

VARIABLE

CALM

TOTALS 1.4 28.3 38.9 24.6 3.8 .4 .3 100.0 8.8

TOTAL NUMBER OF OBSERVATIONS: 761

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 USAFETAC FROM HOURLY OBSERVATIONS
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 912450 STATION NAME: WAKE ISLAND PERIOD OF RECORD: 77-86
 MONTH: AUG HOURS (LST): 0600-0800

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL Σ	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56	
N			.8								1.0	5.5
			.1									
NNE		.1	.2	.1							.5	7.5
NE		.5	1.4	1.2							3.1	9.8
NNE	.2	2.1	6.4	4.5	1.4	.1					14.9	10.4
E	.1	6.1	15.0	11.7	2.7	.2					35.8	10.3
ESE		5.1	8.9	2.7	.4	.1					17.3	8.4
SE	.1	1.4	3.1	1.5	.6						6.8	9.5
SSE	.1	1.2	1.7	1.1	.2						4.3	9.1
S	.1	2.5	1.0	2.1	.2						6.0	9.2
SSW		1.0	1.1	.7	.6	.5	.1		1		3.9	12.3
SW		.2	1.0	.5	.2	.1					2.0	11.8
WSW			.2	.2	.2	.1					.8	14.9
W		.1	.2	.2							.6	10.0
WNW		.2	.2	.1							.6	8.6
NW			.2								.2	8.5
NNW		.2	.1								.4	5.7
VARIABLE												
CALM	////////////////////											
TOTALS	.7	21.7	41.0	26.7	6.5	1.1	.4	.1			100.0	9.7

TOTAL NUMBER OF OBSERVATIONS: 840

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 USAFETAC FROM HOURLY OBSERVATIONS
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 912450		STATION NAME: WAKE ISLAND		PERIOD OF RECORD: 77-86												MONTH: AUG		HOURS(LST): 0900-1100	
		WIND SPEED IN KNOTS																	
DIRECTION (DEGREES)		1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL	MEAN	WIND				
N			.4	.1										.5	5.3				
NNE		.1	.5	.2	.1								.9	6.5					
NE			.4	1.1	.9	.5	.2						3.0	12.5					
ENE			1.1	7.0	8.4	1.1							17.6	11.4					
E			1.8	8.2	18.6	2.6							31.1	12.1					
ESE			.8	6.2	6.1	.7							13.8	11.0					
SE		.1	1.4	6.0	4.3	.4							12.2	9.9					
SSE			1.3	2.2	1.4	.4							5.3	9.6					
S		.1	1.3	2.5	2.0	1.1	.1	.1	.1	.1			7.3	11.6					
SSW			.8	1.2	.8	.1	.1	.1	.1				3.3	11.7					
SW			.9	.4			.1						1.4	10.7					
WSW		.1	.1	.1	.5	.2	.1						1.2	12.5					
W			.1										.1	10.0					
WNW			.1		.1								.2	8.0					
NW				.4									.4	8.7					
NNW			.4	.4									.7	6.7					
VARIABLE																			
CALM		////////////////////																	
TOTALS		.5	10.2	36.5	43.7	6.9	.7	.2	.1	.1			100.0	11.1					

TOTAL NUMBER OF OBSERVATIONS: P54

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 USAFETAC FROM HOURLY OBSERVATIONS
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 912450 STATION NAME: WAKE ISLAND PERIOD OF RECORD: 77-86
 MONTH: AUG HOURS(LST): 1200-1400

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL Σ	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56-65	
N	.1	.2	.1			.1	.1					.7
NNE		.2		.1								.3
NE	.1	.3	1.0	.6	.1							2.4
ENE		.6	4.7	8.4	2.1	.1						15.9
E		1.4	8.4	19.5	3.9	.1	.1					33.4
ESE		.7	6.4	5.8	.8							13.7
SE	.1	1.6	5.4	3.3	.3							10.7
SSE	.1	.9	2.6	1.4	.5							5.5
S		2.4	2.9	1.8	.5	.1						7.6
SSW		.9	.6	1.3	.2	.2	.1					3.3
SW		.5	.9	.5	.2	.5						2.5
WSW		.2	.8	.6								1.6
W		.2	.2									.5
WNW	.1	.2										.3
NW		.3	.5									.8
NNW		.2	.5									.7

VARIABLE											
CALM	////////////////////										////
TOTALS	.6	11.0	34.9	43.5	8.6	1.1	.3				100.0

TOTAL NUMBER OF OBSERVATIONS: 876

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 USAFETAC
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 912450 STATION NAME: WAKE ISLAND PERIOD OF RECORD: 77-86
 MONTH: AUG HOURS (LST): 1500-1700

WIND SPEED IN KNOTS

DIRECTION (DEGREES)	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL Σ	MEAN WIND
N	.4	.4	.1									.5	6.0
NNE		.1	.4	.1								.6	8.2
NE		.6	1.0	2.1	.1							3.8	11.2
ENE		1.0	4.7	9.8	1.3	.1						16.9	12.1
E		1.2	9.6	18.2	4.8	.2						34.6	12.4
ESE	.1	.7	6.4	4.1	.6							12.0	10.4
SE		1.0	4.7	1.6	.2							7.5	9.3
SSE		.8	3.0	1.6	.6							6.1	9.8
S	.1	2.1	2.1	1.8	.1	.6						6.8	10.1
SSW		1.0	1.2	.4	.2	.1	.1					3.0	10.2
SW		.7	1.5	.5		.6	.1					3.4	11.6
WSW	.1	.8	1.1		.1	.1						2.3	8.5
W		.7	.2									1.0	5.9
WNW		.2		.1								.4	7.7
NW			.1	.1								.2	10.0
NNW		.2	.1	.1								.5	7.0

VARIABLE

CALM	////	////	////	////	////	////	////	////	////	////	////	.5	////
TOTALS	.4	12.2	36.2	40.4	8.2	1.8	.2					100.0	11.1

TOTAL NUMBER OF OBSERVATIONS: P26

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
USAFETAC FROM HOURLY OBSERVATIONS
AIR WEATHER SERVICE/MAC

STATION NUMBER: 912450 STATION NAME: WAKE ISLAND PERIOD OF RECORD: 77-86
MONTH: AUG HOURS(LST): 1800-2000

DIRECTION (DEGREES)	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56	TOTAL	MEAN WIND SPEED IN KNOTS
N	.7	.4	.4	.1	.1	.1	.1	.1	.1	.1	.1	1.1	5.8
NNE	.1	.5	.4	.1	.1	.1	.1	.1	.1	.1	.1	1.1	7.8
NE	.9	1.4	1.5	.2	.2	.2	.2	.2	.2	.2	.2	4.1	9.5
ENE	.1	1.8	6.3	8.9	1.2	.4	.4	.4	.4	.4	.4	18.7	11.5
E	.1	3.4	10.9	16.0	3.8	.4	.4	.4	.4	.4	.4	34.5	11.7
ESE	.1	1.9	5.6	2.8	.9	.2	.2	.2	.2	.2	.2	11.5	10.2
SE	.1	.7	3.5	1.4	.2	.2	.2	.2	.2	.2	.2	6.0	9.6
SSE	.9	2.0	1.1	.5	.5	.5	.5	.5	.5	.5	.5	4.5	9.9
S	.1	2.4	1.9	1.8	.5	.2	.2	.2	.2	.2	.2	6.8	9.7
SSW	.1	1.3	.9	.2	.5	.2	.2	.2	.2	.2	.2	3.2	10.1
SW	.1	1.6	.7	.2	.2	.4	.4	.4	.4	.4	.4	3.3	9.4
WSW	.1	.7	.1	.1	.1	.2	.2	.2	.2	.2	.2	1.6	12.7
W	.2	.2	.1	.1	.1	.1	.1	.1	.1	.1	.1	.6	4.8
WNW	.6	.2	.1	.1	.1	.1	.1	.1	.1	.1	.1	.9	6.8
NW	.2	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.4	4.3
NNW	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.2	6.0

VARIABLE

//////////////////// 1.5 //

TOTALS 1.3 17.7 34.8 34.2 8.2 2.0 .2 100.0 10.5

TOTAL NUMBER OF OBSERVATIONS: 851

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
USAFETAC
AIR WEATHER SERVICE/MAC

STATION NUMBER: 912450 STATION NAME: WAKE ISLAND PERIOD OF RECORD: 77-86
MONTH: AUG HOURS(LST): 2100-2300

DIRECTION (DEGREES)	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL	MEAN WIND SPEED
N	.7	.1										.8	5.3
NNE	.3	.6	.1	.1	.1							1.2	9.0
NE	.8	.8	.5	.5	.5							2.5	10.0
ENE	2.0	6.0	6.1	.9	.1							15.2	10.7
E	.5	5.8	16.3	14.9	2.7	.8						41.0	10.6
ESE		3.6	6.8	2.5	.1							13.1	8.5
SE	.3	1.9	2.8	1.2	.5							6.6	8.8
SSE	.1	.8	2.0	.8	.6							4.3	10.4
S		1.4	.8	1.4	.7	.3						4.6	11.4
SSW	.1	.1	.9	.7	.6	.1	.2					2.8	13.8
SW	.9	.6	.6	.2	.2							2.0	9.9
WSW	.7	.3	.1	.1	.1	.1	.1					1.5	11.4
W	.5	.1	.2	.1								.9	8.6
WNW	.6	.1	.1									.8	6.3
NW	.2	.2	.2	.1								.8	6.6
NNW	.3	.1	.2									.7	7.5

VARIABLE													
CALM	1.3												
TOTALS	1.3	20.6	38.7	29.1	7.1	1.7	.3					100.0	10.0

TOTAL NUMBER OF OBSERVATIONS: 864

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
USAFETAC FROM HOURLY OBSERVATIONS
AIR WEATHER SERVICE/MAC

STATION NUMBER: 912450 STATION NAME: WAKE ISLAND PERIOD OF RECORD: 77-86
MONTH: AUG HOURS(LST): ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL	MEAN WIND
	1-3	4-	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56	
N	.0	.0	.6	.1	.0	.0	.0	.0	.0	.0	.8	6.6
NNE	.0	.3	.3	.1	.0	.0	.0	.0	.0	.0	.7	7.8
NE	.0	.6	1.1	1.0	.2	.0	.0	.0	.0	.0	3.0	10.2
NNE	.1	1.6	5.8	6.8	1.1	.1	.0	.0	.0	.0	15.6	11.1
E	.1	4.7	12.5	15.4	2.9	.3	.0	.0	.0	.0	36.1	11.0
ESE	.1	2.9	7.1	4.0	.5	.1	.0	.0	.0	.0	14.6	9.5
SE	.1	1.5	3.9	2.1	.3	.0	.0	.0	.0	.0	7.9	9.4
SSE	.0	.9	2.1	1.1	.4	.0	.0	.0	.0	.0	4.7	9.7
S	.1	1.8	1.7	1.7	.6	.2	.0	.0	.0	.0	6.2	10.2
SSW	.0	.8	1.0	.6	.4	.2	.1	.0	.0	.0	3.2	11.9
SW	.0	.6	.8	.3	.1	.4	.0	.0	.0	.0	2.3	11.3
WSW	.1	.4	.4	.2	.1	.1	.0	.0	.0	.0	1.4	10.6
W	.0	.3	.1	.1	.0	.0	.0	.0	.0	.0	.6	7.7
WNW	.0	.3	.1	.1	.0	.0	.0	.0	.0	.0	.5	6.6
NW	.1	.1	.3	.0	.0	.0	.0	.0	.0	.0	.5	7.3
NNW	.3	.2	.1	.0	.0	.0	.0	.0	.0	.0	.5	7.1

VARIABLE												
CALM	////////////////////										1.3	////
TOTALS	1.0	17.7	37.7	33.7	6.9	1.4	.3	.0	.0	.0	100.0	10.3

TOTAL NUMBER OF OBSERVATIONS: 6770

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 USAFETAC
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 912450 STATION NAME: WAKE ISLAND PERIOD OF RECORD: 77-86
 MONTH: SEP HOURS(LST): 0000-0200

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL Σ	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	.2	.2	1.6	.1							2.2	7.4
NNE		.2	.8								1.1	7.7
NE		.7	1.0	1.1	.1						2.9	9.5
ENE	.2	2.7	6.4	9.8	2.4	.1					21.6	11.3
E	.2	10.2	16.7	11.1	2.2	.1					40.6	9.5
ESE	.1	6.4	5.5	1.3	.6						14.0	7.7
SE	.1	1.7	2.4	1.0	.2						5.4	8.4
SSE			.6	.5	.4						1.4	13.1
S		.4	.4	.5							1.2	9.4
SSW	.1	.4	.4	.4	.1						1.0	10.6
SW		.1	.8	.1							1.1	8.7
WSW		.1	1.1								1.2	7.6
W		.4	.5	.6							1.4	9.9
WNW	.1	.1	.1								.4	5.7
NW	.1	.1	.1	.1							.5	7.0
NNW		.6	.7	.4							1.7	8.0

VARIABLE												
CALM	////////////////////										2.4	////
TOTALS	1.3	24.0	39.2	26.9	6.0	.2					100.0	9.3

TOTAL NUMBER OF OBSERVATIONS: 830

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 USAFETAC FROM HOURLY OBSERVATIONS
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 912450 STATION NAME: WAKE ISLAND PERIOD OF RECORD: 77-86
 MONTH: SEP HOURS(LST): 0300-0500

DIRECTION (DEGREES)	WIND SPEED IN ANOTS										TOTAL	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55		
N	.7	.7	.7								1.4	6.7
NNE		.8	.8	.6							2.2	8.3
NE		.4	2.2	1.5	.3						4.5	10.4
NNE	.3	4.5	7.4	8.6	2.1						22.9	10.5
E	.6	10.8	14.7	9.8	1.3	.3					37.4	9.1
ESE	.3	8.0	5.9	1.5	.1						15.8	7.1
SE		2.0	1.1	.6							3.6	7.3
SSE		.3	.8	1.1	.1						2.4	10.8
S		.7	.7								1.4	6.8
SSW		.1	.1	.4	.1						.8	11.7
SW		.3	.3								.6	7.5
WSW		.1	.3	.1							.6	9.5
W		.3	.1	.3							.7	9.4
WNW	.1	.4									.6	4.3
NW		.4	.3								.7	6.6
NNW		.7	1.0	.1							1.8	7.5

VARIABLE												
CALM	////////////////////											2.5
TOTALS	1.3	30.6	36.6	24.7	4.1	.3					100.0	8.8

TOTAL NUMBER OF OBSERVATIONS: 713

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 USAF/ETAC FROM HOURLY OBSERVATIONS
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 912450 STATION NAME: WAKE ISLAND PERIOD OF RECORD: 77-86
 MONTH: SEP HOURS(LST): 0600-0800

DIRECTION (DEGREES)	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N		.9	.4									1.3	6.6
NNE		.1	.5	.3								.9	9.4
NE	.1	.9	1.8	1.9	.4	.1						5.2	10.7
ENE	.4	3.7	7.8	9.4	2.2							23.4	10.7
E	.3	7.2	14.1	14.0	2.7	.1						38.4	10.1
ESE		6.2	5.0	1.8								13.0	7.5
SE		1.4	2.3	1.1	.1							5.0	8.5
SSE	.1	.8	2.3	.3								3.4	7.7
S		.1	.5	.1	.1							.9	9.4
SSW			.1	.5								.6	12.4
SW		.3	.4									.6	6.2
WSW		.3	.1	.3								.6	9.2
W		.1	.1	.5								.8	10.2
WNW		.5	.3	.1								.9	7.0
NW		.6	.6	.3								1.5	7.8
NNW		.6	.9	.3								1.8	7.4

VARIABLE													
CALM	////////////////////	////////////////////	////////////////////	////////////////////	////////////////////	////////////////////	////////////////////	////////////////////	////////////////////	////////////////////	////////////////////	1.8	////
TOTALS	.9	23.8	37.1	30.7	5.5	.3						100.0	9.4

TOTAL NUMBER OF OBSERVATIONS: 787

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 USAF/CIA
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 912450 STATION NAME: WAKE ISLAND PERIOD OF RECORD: 77-86
 MONTH: SEP HOURS(IST): 0900-1100

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	.5	.5	1.2	.1	.1	.1					2.0	8.3
NNE			.4	.6							1.0	12.0
NE		.6	2.0	1.3	.1	.1					4.2	10.6
ENE		1.7	7.1	12.7	3.5	.1					25.2	12.4
E		2.7	10.1	17.5	4.5	.5					35.3	12.2
ESE		1.5	4.5	3.5	1.0						10.5	10.4
SE	.1	1.0	3.3	1.3	.1						5.9	9.2
SSE		.7	2.7	.7							4.2	8.8
S	.2	1.1	1.8	.2	.2						3.7	8.3
SSW	.1	.5	.2	.1							1.0	6.6
SW		.2	.2								.5	7.3
WSW		.7	.7	.4							1.8	7.7
W		.5	.2	.1							.9	6.4
WNW			.6								.6	8.8
NW	.1	.1	.2	.5							1.0	9.6
PNW		.7	.9	.4							2.0	8.0
VARIABLE												
CALM												
TOTALS	.6	12.6	36.3	39.6	9.7	.7					100.0	11.1

TOTAL NUMBER OF OBSERVATIONS: 818

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
USAFETAC FROM HOURLY OBSERVATIONS
AIR WEATHER SERVICE/MAC

STATION NUMBER: 912450 STATION NAME: MAKE ISLAND PERIOD OF RECORD: 77-86
MONTH: SEP HOURS(IST): 1200-1400

WIND SPEED IN KNOTS

DIRECTION (OGRFS)	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56-65	TOTAL	MEAN WIND
N	.7	.8	.4	.4	.4	.4	.4	.4	.4	.4	.4	1.9	8.1
NNE		.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	1.1	12.7
NE	.4	2.0	1.6	.2	.1	.1	.1	.1	.1	.1	.1	4.3	10.8
ENE	.1	1.0	5.0	12.1	3.5	.1	.1	.1	.1	.1	.1	21.8	12.8
E	1.6	10.8	18.7	4.4	.4	.4	.4	.4	.4	.4	.4	35.8	12.3
ESE	.8	5.0	3.7	.7	.1	.1	.1	.1	.1	.1	.1	10.4	10.7
SE	.5	4.5	2.2	.1	.1	.1	.1	.1	.1	.1	.1	7.3	9.8
SSE	1.1	3.2	.5	.4	.4	.4	.4	.4	.4	.4	.4	4.8	8.4
S	1.4	1.8	.5	.4	.4	.4	.4	.4	.4	.4	.4	4.1	8.5
SSW	.1	.4	.6	.4	.4	.4	.4	.4	.4	.4	.4	1.1	10.8
SW	.1	.5	.1	.4	.4	.4	.4	.4	.4	.4	.4	.7	5.8
WSW	.8	1.0	.4	.4	.4	.4	.4	.4	.4	.4	.4	2.2	8.0
W	.7	.8	.4	.4	.4	.4	.4	.4	.4	.4	.4	1.6	7.3
WNW	.1	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.1	7.0
NW	.1	.4	.6	.1	.1	.1	.1	.1	.1	.1	.1	1.2	11.0
NNW	.2	.8	.5	.4	.4	.4	.4	.4	.4	.4	.4	1.6	9.5

VARIABLE

CALM	////////////////////	////////////////////	////////////////////	////////////////////	////////////////////	////////////////////	////////////////////	////////////////////	////////////////////	////////////////////	////////////////////	.2	////
TOTALS	.2	9.9	37.2	41.9	9.7	.8	.8	.8	.8	.8	.8	100.0	11.3

TOTAL NUMBER OF OBSERVATIONS: 836

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
USAFETAC FROM HOURLY OBSERVATIONS
AIR WEATHER SERVICE/HAC

STATION NUMBER: 912450 STATION NAME: WAKE ISLAND

PERIOD OF RECORD: 77-86
MONTH: SEP HOURS(LST): 1500-1700

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N		.7	1.1	.7							2.4	8.6
NNE		.4	.1	.4							.9	9.1
NE		.7	.9	1.8	.4	.1					3.9	11.6
ENE	.1	2.0	5.6	14.6	3.3	.3					26.0	12.4
E		2.9	9.3	16.2	3.7	.4					32.5	12.0
ESE		1.3	5.0	3.9	.4						10.6	10.0
SE		.9	3.9	1.2	.1						6.2	9.2
SSE		.9	2.4	.9	.3						4.5	9.4
S	.1	.8	1.6	.7							3.2	8.6
SSW		.7	.7	.5							1.8	8.5
SW		.4	.1	.1							.7	7.8
WSW		.3	.7	.4							1.3	9.3
W		.8	.8	.3	.1						2.0	8.0
WNW		.3	.3								.5	7.0
NW			.9	.4							1.3	9.6
NNW		.4	1.2	.4							2.0	8.7
VARIABLE												
CALM											.3	////
TOTALS	.3	13.3	34.7	42.4	8.3	.8					100.0	11.0

TOTAL NUMBER OF OBSERVATIONS: 761

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 USAFETAC FROM HOURLY OBSERVATIONS
 AIR WEATHER SERVICE/NAC

STATION NUMBER: 912450 STATION NAME: WAKE ISLAND PERIOD OF RECORD: 77-86
 MONTH: SEP HOURS(LST): 1800-2000

WIND SPEED IN KNOTS

DIRECTION (DEGREES)	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N		.7	1.4	1.0								3.1	8.6
NNE		.2	.4	.4								1.0	9.4
NE		1.4	1.5	2.0	.4							5.2	10.1
ENE	.4	2.9	6.6	12.6	3.4	.2						26.1	11.7
E	.1	4.5	15.7	16.0	2.0	.1						38.5	10.6
ESE	.1	3.0	4.2	2.0								9.4	8.5
SE	.1	.9	2.2	.6								3.9	8.1
SSE		.6	.7	.7								2.1	9.1
S		.6	.9	.2								1.7	7.9
SSW	.1	.2	.2	.1								.5	8.0
SW	.1	.2	.6	.2								1.2	8.2
WSW		.2	.4	.2								.9	8.4
W	.1	.7	.7	.2								1.9	7.4
WNW	.4	.2	.1									.7	4.5
NW		.2	.5	.5								1.2	9.6
NNW		.2	1.2	.1								1.6	7.7

VARIABLE

CALM	////////////////////											.9	////
TOTALS	1.5	16.9	37.6	37.1	5.7	.4						100.0	10.1

TOTAL NUMBER OF OBSERVATIONS: 801

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 USAFETAC
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 912450 STATION NAME: WAKE ISLAND

PERIOD OF RECORD: 77-86
 MONTH: SEP HOURS(IST): 2100-2300

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL Σ	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55		
N		.2	1.6	.7							2.6	8.9
NNE	.1	.2	.2	.4							1.0	8.4
NE		.9	1.7	1.5	.5						4.6	10.3
ENE		3.5	8.0	11.3	3.0						25.7	11.3
E	.2	6.5	16.3	14.9	1.2	.1					39.3	10.1
ESE	.1	5.0	4.2	1.6	.2						11.2	7.8
SE	.2	1.9	1.1	.6	.1						4.0	7.5
SSE	.1	.5	1.2	.5							2.4	8.0
S		.7	.5	.5							1.7	7.9
SSW		.2	.2	.2							.5	10.5
SW	.1	.7	.4								1.2	9.4
WSW	.5	.2									.7	6.2
W	.2	.2	.4								.9	9.1
WNW	.1	.1	.1								.4	5.3
NW	.1	.5	.1	.2							1.0	7.1
NNW	.1	.4	.6	.4							1.5	8.3

VARIABLE

CALM	////////////////////										1.2	////
TOTALS	1.2	21.3	37.3	33.7	5.1	.1					100.0	9.6

TOTAL NUMBER OF OBSERVATIONS: 804

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
USAFETAC
AIR WEATHER SERVICE/MAC

STATION NUMBER: 912450 STATION NAME: WAKE ISLAND

PERIOD OF RECORD: 77-86
MONTH: SEP HOURS (LST): ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56	
N	.0	.6	1.1	.4	.0						2.1	8.1
NNE	.0	.3	.5	.4	.0						1.1	9.5
NE	.0	.7	1.6	1.6	.3	.1					4.3	10.5
NNE	.2	2.7	6.7	11.4	2.9	.1					24.1	11.7
E	.2	5.7	13.5	14.8	2.8	.3					37.2	10.7
ESE	.1	4.0	4.9	2.4	.4	.0					11.8	8.6
SE	.1	1.3	2.6	1.1	.1	.0					5.2	8.7
SSE	.0	.6	1.8	.6	.1						3.1	9.0
S	.0	.7	1.0	.3	.1						2.3	8.3
SSW	.0	.2	.3	.4	.0						.9	9.7
SW	.0	.3	.4	.1							.8	7.9
WSW		.4	.6	.2							1.2	8.1
W	.0	.5	.5	.3	.0						1.3	8.3
WNW	.1	.2	.2	.0							.5	6.2
NW	.0	.3	.4	.3	.0						1.1	8.8
NNW	.0	.5	.9	.3							1.7	8.1

VARIABLE

CALM	////////////////////	1.2	////
TOTALS	.9 12.9 37.0 34.7 6.8 .5	100.0	10.1

TOTAL NUMBER OF OBSERVATIONS: 6350

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 USAFETAC
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 912450 STATION NAME: WAKE ISLAND PERIOD OF RECORD: 77-86
 MONTH: OCT HOURS (LST): 0000-0200

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL Σ	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	
N	.2	.2	.2								.5	6.3
NNE	.5	.5	.5								.9	6.5
NE	.1	1.4	.9	1.1	.6						4.1	10.1
ENE	.4	1.7	6.2	12.7	4.4	.4					25.6	12.5
E	.1	3.9	13.5	24.4	6.6	1.3					49.8	12.5
ESE	.1	2.4	4.7	2.8							10.1	8.9
SE	.4	.4	2.0	1.1	.1	.1					3.7	10.5
SSE	.1	.4	.6								1.1	6.6
S	.1	.1	.4								.5	7.0
SSW												
SW	.4			.1							.5	8.0
WSW		.1	.4	.1							.6	12.2
W	.4	.1									.5	5.5
WNW	.2	.1									.4	5.7
W	.2	.2									.5	7.0
NNW	.1										.1	5.0
VARIABLE												
CALM	////////////////////										1.3	////////
TOTALS	.8	12.2	29.6	42.4	12.0	1.8					100.0	11.5

TOTAL NUMBER OF OBSERVATIONS: 845

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
USAFCTAC FROM HOURLY OBSERVATIONS
AIR WEATHER SERVICE/MAC

STATION NUMBER: 912450 STATION NAME: WAKE ISLAND PERIOD OF RECORD: 77-86
MONTH: OCT HOURS(LST): 0300-0500

WIND SPEED IN KNOTS

DIRECTION (DEGREES)	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56	TOTAL %	MEAN WIND
N												.7	5.0
NNE		.8		.2								1.0	7.2
NE		2.1	1.1	2.6								5.9	9.0
ENE	.5	3.1	7.6	10.4	4.2							25.9	11.7
E	.2	5.4	12.7	16.9	6.2	2.0	.2					43.4	12.2
ESE	.3	2.6	4.9	5.0	.8							13.7	9.9
SE			1.0	.8								1.8	10.1
SSE		.5	.7	.5		.3						2.0	11.0
S	.2	.3	.3									.8	6.2
SSW		.2			.2							.3	12.5
SW		.2										.2	5.0
WSW		.2	.5	.5	.2							1.3	11.1
W		.2	.7									.8	7.6
WNW													
NW		.2		.2								.3	8.0
NNW		.3	.2									.5	6.3

VARIABLE

CALM	1.1	16.6	29.6	37.1	11.5	2.3	.2					100.0	11.1
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TOTAL NUMBER OF OBSERVATIONS: 615

GLOBAL CLIMATOLOGY BRANCH
USAFCTAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 912450 STATION NAME: WAKE ISLAND

PERIOD OF RECORD: 77-86
MONTH: OCT HOURS(LST): 0600-0800

WIND SPEED IN KNOTS

DIRECTION (DEGREES)	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56	TOTAL	MEAN WIND SPEED
N	.6	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5	1.1	6.4
NNE	.1	.4	.3	.3	.1							1.1	8.9
NE	.4	.5	.8	2.1	.4							4.1	10.8
ENE	.1	2.8	6.4	15.5	3.8	1.0						29.6	12.5
E	.5	4.8	10.3	20.3	5.8	2.0						43.6	12.5
ESE		2.3	4.1	3.3	.3							9.9	9.8
SE	.3	.9	1.0	.3								2.4	11.1
SSE	.6		.4	.1								1.1	9.9
S	.5	.5	.1									1.1	8.2
SSW	.1	.1	.1									.4	8.3
SW		.3	.4	.1	.3							1.0	16.6
WSW	.1	.1	.4	.4								1.0	11.1
W	.1	.1	.4	.1								.8	7.3
WNW	.1											.1	4.0
NW		.4										.4	5.3
NNW	.1	.3	.3									.6	8.4

VARIABLE

CALM
TOTALS

TOTAL NUMBER OF OBSERVATIONS: 796

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 USAFETAC
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 912450 STATION NAME: WAKE ISLAND PERIOD OF RECORD: 77-86
 MONTH: OCT HOURS(IST): 0900-1100

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL Σ	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	33-40	41-47	48-55	56	
N	.5	1.2	.2	.1							2.0	5.2
NNE		.5	.4		.1						1.0	7.6
NE		.7	1.8	1.9	.8						5.3	11.8
NNE	.1	1.2	5.3	15.0	6.9	.5	.1				29.1	13.8
E		1.6	6.5	23.9	11.6	1.3	.2				45.1	14.4
ESE		.6	2.5	4.1	1.3						8.5	11.9
SE		.7	1.3	1.1		.1					3.2	9.9
SSE		.6	.2	.5	.1						1.4	9.9
S	.1	.2	.4	.2							1.0	7.6
SSW	.1		.1	.1							.4	8.7
SW			.1	.2	.2	.4					1.0	18.1
WSW		.4	.5	.2	.1						1.2	9.6
W	.1			.4	.1						.6	12.6
WNW												
NW												
NNW			.1								.1	7.0
VARIABLE												
CALM	////////////////////											
TOTALS	1.0	7.7	19.4	47.7	21.4	2.3	.4				100.0	13.2

TOTAL NUMBER OF OBSERVATIONS: 836

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 USAFETAC
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 912450 STATION NAME: WAKE ISLAND PERIOD OF RECORD: 77-86
 MONTH: OCT HOURS(LST): 1200-1400

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL Σ	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56	
N	.9	.9	.5								1.4	6.0
NNE	.1	.3	.6	.1	.1	.1					1.4	9.8
NE		.5	1.4	1.7	.9	.1					4.5	12.4
NNE	.1	1.7	4.9	14.6	7.2	.7	.1				29.3	13.9
E		.8	6.8	21.2	10.8	1.0	.3				41.0	14.4
ESE	.1	.8	2.8	5.0	1.5	.2					10.4	12.2
SE	.7	1.9	2.0	.3							5.0	10.5
SSE	.1	.1	.6	.3	.3						1.5	11.0
S	.3	.9									1.2	6.9
SSW	.2										.2	5.5
SW	.2	.2	.2	.5	.3	.2					1.5	14.2
WSW	.1		.1	.1	.1						.5	11.3
W	.1	.6	.6	.3	.2						1.2	11.0
WNW		.2									.2	7.0
NW		.1	.1	.1							.2	12.0
NNW	.1	.1	.2								.5	6.8

VARIABLE												
CALM	////////////////////											
TOTALS	.7	6.8	21.8	46.1	21.8	2.4	.5				100.0	13.3

TOTAL NUMBER OF OBSERVATIONS: 861

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 USAFETAC
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 912450 STATION NAME: WAKE ISLAND PERIOD OF RECORD: 77-86
 MONTH: OCT HOURS(IST): 1500-1700

WIND SPEED IN KNOTS

DIRECTION (DEGREES)	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL Σ	MEAN WIND
N	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5	1.0	6.1
NNE	.5	.5	.9	.4	.1	.1	.1	.1	.1	.1	.1	1.9	9.1
NF	1.5	1.8	2.3	1.4	.1	.1	.1	.1	.1	.1	.1	7.2	11.6
FNE	.9	4.9	16.4	6.3	1.5	.1	.1	.1	.1	.1	.1	30.2	14.2
E	1.7	7.5	22.8	8.1	1.7	.1	.1	.1	.1	.1	.1	41.8	13.8
ESE	.5	2.2	4.1	.6	.6	.6	.6	.6	.6	.6	.6	7.5	12.1
SE	.1	.3	1.7	1.3	.4	.4	.4	.4	.4	.4	.4	3.7	10.8
SSE	.8	.6	.6	.5	.5	.5	.5	.5	.5	.5	.5	1.9	8.3
S	.4	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.9	7.4
SSW	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.9	7.4
SW	.3	.3	.1	.1	.4	.1	.1	.1	.1	.1	.1	.9	14.7
WSW	.5	.1	.1	.1	.3	.3	.3	.3	.3	.3	.3	.4	20.0
W	.8	.8	.8	.8	.8	.8	.8	.8	.8	.8	.8	1.5	10.3
WNW	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	8.0
NW	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.3	10.0
NNW	.3	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.6	7.2

VARIABLE

CALM

TOTALS

.1 7.7 21.8 49.1 17.3 3.9 .1 100.0 13.1

TOTAL NUMBER OF OBSERVATIONS: 776

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 USAFETAC
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 912450 STATION NAME: WAKE ISLAND PERIOD OF RECORD: 77-86
 MONTH: OCT HOURS (LST): 1800-2000

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL Σ	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56	
N		.7	.6	.1							1.4	6.5
NNE		.6	1.0								1.6	6.9
NE	.2	2.2	1.9	1.3	1.0	.4					6.9	10.3
NNE	.1	1.4	5.4	19.1	5.7	1.1	.2				33.1	13.8
E	.5	1.8	9.3	23.1	5.9	1.4					42.0	13.1
ESE	.2	.4	3.2	1.9	.5	.1					6.3	10.4
SE	.6	1.0	1.0			.1					2.6	10.2
SSE	.4	.6									1.0	7.1
S	.7	.4									1.1	6.4
SSW	.1			.1							.2	8.5
SW					.1						.1	18.0
WSW					.5	.1					.6	20.4
W			.7	.5							1.2	9.9
WNW	.1	.2									.4	6.3
NW	.1										.1	5.0
NNW	.1	.5	.1								.7	5.2

VARIABLE												
CALM	////////////////////											
TOTALS	1.2	9.6	24.4	47.1	13.6	3.2	.2				100.0	12.4

TOTAL NUMBER OF OBSERVATIONS: 836

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
USAFETAC FROM HOURLY OBSERVATIONS
AIR WEATHER SERVICE/HAC

STATION NUMBER: 912450 STATION NAME: WAKE ISLAND

PERIOD OF RECORD: 77-86
MONTH: OCT HOURS(LST): 2100-2300

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL Σ	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56	
N	.4	.1									.5	6.0
NNE	.1	.7	.4	.1	.1						1.4	7.7
NE	.1	1.5	1.5	1.8	.8						5.8	10.1
ENE	.1	2.8	4.9	15.8	4.9	.8	.1				29.4	13.1
E	.2	5.7	9.4	25.1	7.7	1.2					47.3	12.9
ESE	.1	1.4	2.8	2.8	.5						7.7	10.5
SE		.6	.7	.9	.1	-					2.4	9.5
SSE		.5	.1	.1							.7	6.8
S		.2	.2								.5	6.5
SSW												
SW				.1	.2						.4	17.3
WSW			.1		.5						.6	16.4
W	.4	.2	.2	.2							.8	8.3
WNW		.4	.1								.5	10.0
NW		.6									.6	4.6
NNW		.2									.2	4.5

VARIABLE

CALM	////////////////////										1.2	////
TOTALS	.7	13.0	20.9	47.2	14.8	2.0	.1				100.0	12.1

TOTAL NUMBER OF OBSERVATIONS: 843

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 USAFETAC
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 912450 STATION NAME: WAKE ISLAND PERIOD OF RECORD: 77-86
 MONTH: OCT HOURS(1ST): ALL

DIRECTION (DEGREES)	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56	TOTAL	MEAN WIND
N	.1	.7	.3	.0								1.1	5.9
NNE	.0	.5	.5	.1	.1	.0						1.3	8.1
NE	.1	1.3	1.4	1.8	.8	.1						5.5	10.8
ENE	.2	1.9	5.6	15.1	5.5	.8	.1					29.1	13.3
E	.2	2.8	9.4	22.4	7.9	1.5	.1					44.3	13.2
ESE	.1	1.3	3.4	3.6	.7	.0						9.1	10.7
SE	.0	.5	1.3	1.2	.2	.0						3.2	10.4
SSE	.0	.5	.4	.3	.1	.0						1.3	9.1
S	.0	.4	.4	.1								.9	7.1
SSW	.0	.1	.0	.0	.0							.2	8.7
SW	.0	.1	.1	.2	.2	.1						.7	14.9
WSW	.0	.1	.2	.1	.2	.0						.7	13.0
W	.0	.1	.4	.3	.0							.9	9.5
WNW	.1	.1	.1	.0								.2	7.3
NW	.2	.0	.0									.3	6.9
NNW	.0	.2	.2	.0								.4	6.5

VARIABLE

CALM	////////////////////											.8	////
TOTALS	.9	10.7	23.9	45.3	15.6	2.6	.2					100.0	12.3

TOTAL NUMBER OF OBSERVATIONS: 6430

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 USAFETAC FROM HOURLY OBSERVATIONS
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 912450 STATION NAME: MAKE ISLAND PERIOD OF RECORD: 77-86
 MONTH: NOV HOURS(IST): 0000-0200

DIRECTION (DEGREES)	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56	TOTAL	MEAN
N	.1											.1	3.0
NNE	.1		.2	.7	.2	.2						1.5	14.2
NE		.4	1.2	4.7	2.1	.6						8.9	14.8
NNE			.4	4.4	17.2	9.5	4.3	.4				36.1	15.7
E	.4	2.1	12.7	17.7	6.3	2.1						41.3	12.9
ESE	.2	1.8	2.7	2.8	.5							8.0	9.9
SE	.2	.1	.8	.7	.1							2.0	10.2
SSE		.4										.4	6.0
S		.1	.1									.2	6.5
SSW													
SW													
WSW		.1	.1									.2	6.0
W		.1										.1	6.0
WNW													
NW		.2										.2	5.5
NNW		.1										.1	3.0
VARIABLE													
CALM												.8	////
TOTALS	1.2	5.6	22.3	43.7	18.7	7.3	.4					100.0	13.6

TOTAL NUMBER OF OBSERVATIONS: 855

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 USAFETAC
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 912450 STATION NAME: WAKE ISLAND PERIOD OF RECORD: 77-86
 MONTH: NOV HOURS(LST): 0300-0500

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55		
N	.2	.2	.2	.2	.2						.6	7.0
NNE		.2	.3	.5	.3	.6					1.9	16.9
NE		.8	1.7	4.8	2.8	.6					10.7	14.1
ENE		.6	6.3	16.2	11.0	4.8	.3	.3			39.6	15.5
E	.3	2.6	10.4	13.3	6.6	1.1	.3				34.6	12.8
ESE		1.9	2.8	2.5	.9	.2					8.2	10.4
SE		.5	.6	.6	.2						1.9	9.3
SSE		.5	.2	.3							.9	8.7
S												
SSW												
SW												
WSW		.5									.5	5.3
W												
WNW												
NW		.2									.2	5.0
NNW	.2		.2								.3	6.5
VARIABLE												
CALM											.8	////
TOTALS	.6	7.7	22.6	38.3	21.8	7.3	.6	.3			100.0	13.6

TOTAL NUMBER OF OBSERVATIONS: 647

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 USAFETAC
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 912450 STATION NAME: WAKE ISLAND PERIOD OF RECORD: 77-86
 MONTH: NOV HOURS (LST): 0600-0800

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL Σ	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55		
N												
NNE				.3	.6	.4	.3				1.5	14.9
NE	.1	.4	1.8	5.1	2.9	.4	.4				11.0	14.9
ENE	.3	.3	5.2	15.3	11.4	2.8					35.1	15.3
E	.1	1.3	11.1	17.3	6.6	2.1	.5				39.0	13.4
ESE	.3	.8	3.5	2.5	.9						8.0	10.6
SE	.1	.3	.6	.9	.1						2.0	10.1
SSE	.1	.3	.4	.3							1.0	7.4
S		.1		.1							.3	9.0
SSW												
SW												
WSW		.1	.1								.3	6.0
W		.1									.1	5.0
WNW												
NW												
NNW		.3	.1		.1						.5	9.8
VARIABLE												
CALM											.9	////
TOTALS	1.0	3.8	23.2	42.3	22.3	5.6	.9				100.0	13.7

TOTAL NUMBER OF OBSERVATIONS: 792

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 USAFETAC FROM HOURLY OBSERVATIONS
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 912450 STATION NAME: WAKE ISLAND													PERIOD OF RECORD: 77-86				MONTH: NOV HOURS(LST): 0900-1100									
													WIND SPEED IN KNOTS													
DIRECTION (DEGREES)													1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56	TOTAL	MEAN	
																										WIND
N														.4	.4	.2	.4								1.3	10.8
NNE																.4	.2	.5						1.1	20.2	
NE														.1	1.0	5.1	3.0	.2						9.5	14.8	
ENE														.7	3.4	16.9	11.2	4.4						36.6	16.0	
E														.5	5.7	21.2	8.2	3.4						38.9	14.8	
ESE														.1	2.8	2.9	1.1							6.9	12.3	
SE														.2	1.7	.9	.5							3.3	11.1	
SSE														.5	.2	.2								1.0	7.3	
S														.1										.1	6.0	
SSW														.4	.2									.6	5.6	
SW																										
WSW														.1										.1	4.0	
W																										
WNW																										
NW																										
NNW															.1		.1						.2	12.0		
VARIABLE																										
CALM																									.2	77777
TOTALS														3.2	15.6	47.6	24.7	8.5						100.0	14.8	

TOTAL NUMBER OF OBSERVATIONS: 822

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 USAFETAC FROM HOURLY OBSERVATIONS
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 912450 STATION NAME: WAKE ISLAND PERIOD OF RECORD: 77-86
 MONTH: NOV HOURS(IST): 1200-1400

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56	
N	.2	.1	.5	.1	.6	.1	.1	.1	.1	.9	1.9	16.4
NNE												
NE	.2	1.1	7.0	2.3	1.2						11.8	15.3
ENE	.7	3.6	16.3	10.7	5.2	.1					36.6	16.0
E	.2	5.3	16.8	8.1	3.0	.1					33.5	15.0
ESE	.1	2.8	4.2	1.1	.1						8.3	12.7
SE	.1	1.6	1.1	.1	.2						3.2	11.2
SSE	.5	.5	.2								1.2	7.9
S	.5	.1									.6	6.2
SSW	.2										.2	5.0
SW	.4										.4	5.3
WSW	.5										.5	5.0
W	.1	.1									.2	7.0
WNW	.2	.1									.4	6.0
NW	.1										.1	6.0
NNW	.1	.1	.1								.4	9.3

VARIABLE

CALM

TOTALS

4.2 15.5 47.2 22.9 9.8 .4 100.0 14.8

TOTAL NUMBER OF OBSERVATIONS: 853

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE 7MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 912450 STATION NAME: WAKE ISLAND

PERIOD OF RECORD: 77-86
MONTH: NOV HOURS(LST): 1500-1700

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL Σ	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56	
N		.1	.2			.1					.5	10.0
NNE		.1	.4	.6	1.0	.4					2.5	16.3
NE		.2	2.0	7.2	3.4	1.6	.1				14.6	15.3
ENE		.6	4.0	16.3	10.2	3.2	.6				35.0	15.8
E		1.2	5.2	17.7	10.0	2.1	.2				36.5	14.7
ESE		.4	2.0	2.7	.4						5.5	11.9
SE		.6	.9	.6	.4						2.5	10.6
SSE		.2	.5								.7	8.0
S		.4	.1								.5	6.0
SSW		.1									.1	5.0
SW		.1									.1	6.0
KSW												
W		.2									.2	5.5
WNW		.2									.2	4.5
NW		.1	.1								.2	7.0
NNW		.1	.2	.1	.1						.6	6.8
VARIABLE												
CALM											.1	11.1
TOTALS	.1	5.1	15.6	45.3	25.4	7.3	1.0				100.0	14.7

TOTAL NUMBER OF OBSERVATIONS: 803

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
USAFETAC FROM HOURLY OBSERVATIONS
AIR WEATHER SERVICE/HAC

STATION NUMBER: 912450 STATION NAME: WAKE ISLAND PERIOD OF RECORD: 77-86
MONTH: NOV HOURS (LST): 1800-2000

WIND SPEED IN KNOTS									
DIRECTION (DEGREES)	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47
N	.2	.1	.2	.4					
NNE			.5	.7	.9	.6			
NE			1.4	6.0	4.3	1.2		.1	
NNE	.1	.6	4.0	17.1	9.4	5.4	.6		
E	.1	1.3	7.5	16.2	8.0	2.1			
ESE		1.8	3.3	2.0	.2	.1			
SE		.5	.9	.1	.2				
SSE		.4							
S		.1							
SSW									
SW									
WSW									
W		.2	.1						
WNW			.1						
NW			.1						
NNW			.4						
.....									
VARIABLE									
CALM	////////////////////								
TOTALS	.5	4.9	18.5	42.4	23.1	9.4	.6	.1	
.....									
TOTAL NUMBER OF OBSERVATIONS: 853									

TOTAL NUMBER OF OBSERVATIONS: 853

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
USAFETAC FROM HOURLY OBSERVATIONS
AIR WEATHER SERVICE/MAC

STATION NUMBER: 912450 STATION NAME: WAKE ISLAND PERIOD OF RECORD: 77-86
MONTH: NOV HOURS(LST): 2100-2300

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL Σ	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56-63	
N	.1	.2	.2	.2	.2	.2					.8	11.0
NNE	.1		.4	.8	.5	.1					1.9	14.7
NE			1.1	5.3	2.7	1.2	.2	.1			10.6	16.4
NNE		.5	3.7	17.9	11.2	4.1	.6				37.9	16.1
E	.1	2.1	8.9	18.3	7.0	2.1	.2				38.9	13.5
ESE	.1	2.0	2.6	1.8	.5						7.0	9.4
SE	.1	.1	.4	.2	.1						1.0	10.6
SSE	.4	.1									.5	5.5
S	.2	.1									.4	6.3
SSW												
SW	.1										.1	5.0
WSW												
W			.1								.1	8.0
WNW	.1	.1									.2	7.0
NW	.1	.2									.4	6.3
NNW												

VARIABLE

//////////////////// .1 //

TOTALS .6 6.0 17.8 44.5 22.3 7.5 1.1 .1 100.0 14.3

TOTAL NUMBER OF OBSERVATIONS: 838

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 USAFETAC FROM HOURLY OBSERVATIONS
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 912450 STATION NAME: WAKE ISLAND PERIOD OF RECORD: 77-86
 MONTH: NOV HOURS (LST): ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL Σ	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55		
N	.1	.2	.2	.2	.1						.7	9.9
NNE	.0	.0	.3	.7	.5	.3	.0				1.9	16.1
NE	.0	.2	1.4	5.7	3.0	.9	.1	.0			11.3	15.3
NNE	.0	.5	4.3	16.7	10.5	4.3	.3	.0			36.7	15.8
E	.1	1.4	8.3	17.4	7.6	2.3	.2				37.3	13.9
ESE	.1	1.1	2.8	2.7	.7	.0					7.4	10.9
SE	.1	.3	1.0	.6	.2	.0					2.2	10.4
SSE	.0	.4	.2	.1							.7	7.3
S	.2	.0	.0	.0							.3	6.5
SSW	.1	.0									.1	5.4
SW	.1										.1	5.4
WSW	.2	.0									.2	5.3
W	.1	.0									.2	6.0
WNW	.1	.0									.1	6.1
NW	.1	.1									.2	6.5
NNW	.0	.1	.1	.0	.0						.3	8.4

VARIABLE												
CALM												
TOTALS												
.5	5.0	18.8	44.1	22.7	7.9	.6	.1				100.0	14.3

TOTAL NUMBER OF OBSERVATIONS: 6463

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 USAFETAC FROM HOURLY OBSERVATIONS
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 912450 STATION NAME: WAKE ISLAND PERIOD OF RECORD: 77-86
 MONTH: DEC HOURS(LST): 0000-0200

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL Σ	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56	
N		.3	1.0	.3	.2						1.9	10.0
NNE	.1	.1	.2	1.1	.8	.8					3.2	16.3
NE	.1	.5	1.5	3.1	1.9	1.4	.2				8.7	15.3
ENE	.1	1.0	3.2	11.2	8.7	2.9					27.1	15.5
E	.1	2.2	7.4	17.1	8.5	1.8					37.1	13.5
ESE	.2	.7	3.4	3.2	.5	.1					8.1	10.5
SE		.7	.9	.7							2.3	8.8
SSE		.1	.5	.2							.8	9.0
S		.8	.9	.3							2.1	7.9
SSW	.1	.3	.2	.2							.9	7.1
SW		.9	.2	.1							1.3	6.3
WSW	.1	.9		.3							1.4	7.3
W		.2	.2	.2							.7	7.8
WNW		.1									.1	5.0
NW		.2	.1								.3	6.3
NNW	.2		.5								.7	6.3

VARIABLE												
CALM	////////////////////											3.2
TOTALS	1.1	9.2	20.4	36.3	20.6	7.0	.2				100.0	13.0

TOTAL NUMBER OF OBSERVATIONS: 873

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 USAF/AFAC FROM HOURLY OBSERVATIONS
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 912450				STATION NAME: WAKE ISLAND				PERIOD OF RECORD: 77-86				MONTH: DEC				HOURS(IST): 0300-0500			
DIRECTION (DEGREES)		1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL Σ	MEAN WIND					
N			.8	.3	1.1								2.2	9.6					
NNE		.1	.3	.7	1.7	.6	.8						4.2	14.4					
NE			.4	2.1	4.1	2.4	.8						9.8	14.2					
ENE		.1	2.0	3.4	9.5	11.0	2.8						28.8	15.5					
E			2.5	8.5	14.4	6.6	1.7						33.7	13.2					
ESE			.7	2.8	3.1	.4							7.0	10.9					
SE			.7	.7	.6	.1							2.1	9.3					
SSE				.1									.1	10.0					
S			1.7	.8	.6								3.1	7.7					
SSW		.3	.8	.3	.4								1.8	7.0					
SW			1.0	.6	.1								1.7	7.2					
WSW			.8		.1								1.0	6.4					
W			.4	.3	.1								.8	6.7					
WNW			.1										.1	5.0					
NW		.1											.1	3.0					
NNW		.1	.6	.1									.8	4.8					

VARIABLE

CALM	////////////////////														2.5	////
TOTALS	.8	12.9	20.7	35.8	21.1	6.2									100.0	12.8

TOTAL NUMBER OF OBSERVATIONS: 715

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 USAFETAC FROM HOURLY OBSERVATIONS
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 912450 STATION NAME: WAKE ISLAND PERIOD OF RECORD: 77-86
 MONTH: DEC HOURS(LST): 0600-0800

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL Σ	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55		
N											1.6	8.5
NNE												
NE	.2	1.9	1.5	3.2	2.1	1.5	.2				10.7	14.0
NNE		1.5	4.5	12.2	7.6	3.4					29.1	15.0
E		2.7	9.6	13.4	6.7	2.5	.2				35.2	13.3
ESE	.1	1.4	2.9	2.4	.7						7.5	10.5
SE	.5	.9	.7	.1							2.2	9.3
SSE	.2	.1									.4	6.0
S	.5	.6	.4								1.5	8.6
SSW	.1	.6	.4	.4							1.5	7.8
SW	.7	1.1	.5								2.4	8.5
WSW	.2	.1									.4	6.7
W	.2	.5	.1								.9	7.7
WNW	.1	.1									.2	4.5
NW	.5										.5	4.3
NNW	.2	.2									.5	4.3

VARIABLE												
CALM	////////////////////										2.1	11.1
TOTALS	.9	12.2	23.5	34.3	17.8	8.1	.6				100.0	12.7

TOTAL NUMBER OF OBSERVATIONS: 805

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
USAFETAC FROM HOURLY OBSERVATIONS
AIR WEATHER SERVICE/MAC

STATION NUMBER: 912450 STATION NAME: WAKE ISLAND PERIOD OF RECORD: 77-86
MONTH: DEC HOURS(LST): 0900-1100

WIND SPEED IN KNOTS

DIRECTION (DEGREES) 1-3 4-6 7-10 11-16 17-21 22-27 28-33 34-40 41-47 48-55 56 TOTAL MEAN WIND

N	.8	.9	.5								2.2	8.4
NNE	.2	.3	1.2	.7	.2	.5	.1				3.2	12.7
NE	.1	1.0	2.2	3.6	2.4	.7	.7				10.7	14.5
ENE		1.0	3.3	10.3	8.4	3.7	.2				27.0	15.9
E		1.4	5.2	14.1	9.0	4.0	.1	.1			33.9	15.2
ESE		.2	3.8	4.4	.3	.1					8.9	11.5
SE		1.3	1.6	1.3							4.1	9.1
SSE		.7	.6	.1							1.6	8.0
S	.1	.3	.6	.6							1.6	8.6
SSW		.6	.6	.2							1.4	7.4
SW		.6	.5	.9							2.0	9.5
WSW	.1	.6	.5	.1							1.3	6.5
W	.1	.5	.1	.1							.8	6.6
WNW												
NW	.1	.1	.1								.3	5.3
NNW		.2	.1								.3	5.7

VARIABLE

CALM

TOTALS

0.8 9.7 21.2 37.0 20.4 9.0 1.2 .1 100.0 13.7

TOTAL NUMBER OF OBSERVATIONS: 868

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 USAFETAC
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 912450 STATION NAME: WAKE ISLAND PERIOD OF RECORD: 77-86
 MONTH: DEC HOURS(LST): 1200-1400

DIRECTION (DEGREES)	WIND SPEED IN KNOTS												TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56-63	64-71		
N			1.2	.9	.3								3.2	10.0
NNE		.3	1.0	1.1	.6	.4		.1					3.6	14.0
NE	.2	1.6	1.3	3.0	2.1	.7	.2						9.2	13.4
ENE		.3	4.4	10.9	8.7	3.9							28.3	15.8
E		.2	4.0	16.0	9.1	4.1	.2						33.6	15.8
ESE		.1	1.9	3.0	.7	.3							6.0	13.2
SE		1.3	2.2	1.6									5.1	9.2
SSE		.8	1.0	.7									2.5	8.6
S		1.0	.6	.4									2.0	7.6
SSW	.1	.4	.2	.3									1.1	7.3
SW		.9	.4	.3									1.7	7.5
WSW		.3	.9	.2									1.5	8.3
W		.3	.4	.2									1.0	8.8
WNW														
NW		.2		.1									.3	8.0
NNW		.4	.4										.9	6.4
VARIABLE														
CALM	////////////////////													
TOTALS	.3	9.2	20.1	38.9	21.5	9.5	.4	.1					100.0	14.0

TOTAL NUMBER OF OBSERVATIONS: 895

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
USAFETAC FROM HOURLY OBSERVATIONS
AIR WEATHER SERVICE/MAC

STATION NUMBER: 912450 STATION NAME: WAKE ISLAND

PERIOD OF RECORD: 77-86
MONTH: DEC. HOURS(LST): 1500-1700

WIND SPEED IN KNOTS

DIRECTION (DEGREES)	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	.2	.7	.4	.9	.4	.4						2.6	10.3
NNE	.1	.7	1.5	1.4	.8	.6						5.2	13.1
NE		.7	2.5	3.6	1.8	.8	.1					9.5	13.8
ENE		1.5	3.9	12.0	10.4	3.4						31.2	15.5
E		.7	4.7	11.7	9.3	2.8	.1					29.3	15.1
ESE		.5	1.8	3.4	.6							6.2	12.2
SE		.7	2.2	1.5								4.5	9.7
SSE	.2	.4	.8	.4								1.8	7.9
S		1.1	.7	.2								2.0	7.1
SSW	.1	1.2	.4	.1								1.8	6.2
SW		.5	.8	.4								1.6	8.2
WSW		.7	.6	.2								1.5	7.5
W		.6	.5	.4	.1							1.5	9.0
WNW		.2										.2	5.0
NW													
NNW		.4	.4	.5								1.2	9.1

VARIABLE

CALM

TOTALS

.7 10.4 21.0 36.7 23.3 7.6 .2 100.0 13.6

TOTAL NUMBER OF OBSERVATIONS: 853

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 USAFETAC FROM HOURLY OBSERVATIONS
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 912450 STATION NAME: WAKE ISLAND PERIOD OF RECORD: 77-86
 MONTH: DEC HOURS(LST): 1800-2000

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56		
N	.2	.6	1.0	.3								2.2	11.9
NNE	.1	.2	.6	1.5	.5	.3						3.3	13.1
NE		1.0	1.4	4.5	2.2	.9	.1					10.2	14.0
ENE		2.0	3.4	13.8	11.2	2.7						33.0	15.2
E		3.1	6.9	14.0	7.2	1.9						33.0	13.5
ESE		1.0	2.8	2.3	.5							6.6	10.5
SE		.8	.2	.6								1.6	8.1
SSE		.5	.3	.1								.9	7.3
S		.2	.6	.5								1.3	8.7
SSW		1.2		.1								1.3	6.3
SW		1.3	.1	.2								1.6	6.3
WSW		.1	.3	.1								.6	8.4
W	.2	.5	.8	.1								1.6	7.4
WNW	.1	.3	.1	.1								.7	6.8
NW		.2	.3									.6	7.0
NNW		.3	.5	.1								.9	7.6

VARIABLE

CALM

TOTALS

.5 13.1 19.0 39.2 21.9 5.8 .1 100.0 13.1

TOTAL NUMBER OF OBSERVATIONS: 860

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 USAFETAC
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 912450 STATION NAME: WAKE ISLAND

PERIOD OF RECORD: 77-86
 MONTH: DEC HOURS(IST): 2100-2300

WIND SPEED IN KNOTS

DIRECTION (DEGREES)	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56	TOTAL	MEAN WIND
N	.1	.7	1.0	.6	.6	.6						3.0	10.1
NNE		.2	.2	.7	.7	.3	.1					2.3	16.3
NE	.1	.5	1.8	3.8	1.9	1.1	.3					9.6	14.8
ENE		.9	4.6	12.3	10.7	3.3	.2					32.0	15.5
E	.3	3.6	7.1	14.1	7.0	2.4						34.5	13.4
ESE		1.1	3.4	3.0	.3	.1						8.0	10.3
SE		.6	.3	.5								1.4	8.6
SSE		.1	.1	.2								.5	9.8
S		.6	1.1	.2								1.9	8.0
SSW		.6	.3									.9	5.8
SW		.8	.2	.2								1.3	7.3
WSW		.2	.2	.2								.7	8.8
W	.2	.3	.2									.8	5.4
WNW		.3										.3	6.0
NW	.1	.3	.2									.7	5.3
NNW		.3										.3	7.3

VARIABLE

CALM	////////////////////	1.8	////
TOTALS	.9 10.9 21.4 35.7 21.2 7.3 .7	100.0	13.1

TOTAL NUMBER OF OBSERVATIONS: 873

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 USAF/ETAC FROM HOURLY OBSERVATIONS
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 912450 STATION NAME: WAKE ISLAND PERIOD OF RECORD: 77-86 ALL
 MONTH: DEC HOURS(1ST):

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	MEAN WIND %
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55		
N	.0	.6	.8	.7	.2						2.4	9.9
NNE	.1	.3	.7	1.1	.6	.6	.0	.0			3.5	14.3
NE	.1	.9	1.8	3.6	2.1	1.0	.3				9.8	14.2
ENE	.0	1.3	3.8	11.6	9.6	3.3	.1				29.6	15.5
E	.1	2.0	6.6	14.4	8.0	2.7	.1	.0			33.8	14.2
ESE	.0	.7	2.8	3.1	.5	.1					7.3	11.2
SE	.8	1.2	.9	.0							3.0	9.1
SSE	.0	.4	.5	.3							1.1	8.2
S	.0	.8	.7	.4							1.9	7.9
SSW	.1	.7	.3	.2							1.3	6.9
SW	.8	.5	.4								1.7	7.7
WSW	.0	.5	.3	.2							1.0	7.5
W	.1	.4	.4	.2	.0						1.0	7.6
WNW	.0	.2	.0	.0							.2	5.9
NW	.0	.2	.1	.0							.4	5.8
NNW	.1	.3	.3	.1							.7	6.8
VARIABLE												
CALM											1.4	1.4
TOTALS	.8	10.9	20.9	37.0	21.0	7.6	.4	.0			100.0	13.3

TOTAL NUMBER OF OBSERVATIONS: 6742

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
USAF/AFAC
AIR WEATHER SERVICE/HAC

STATION NUMBER: 912450 STATION NAME: MAKE ISLAND PERIOD OF RECORD: 77-86
MONTH: ALL HOURS(LST): ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS												TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56			
N	.0	.5	.7	.5	.1	.0	.0	.0					2.0	9.9
NNE	.0	.3	.6	.9	.4	.2	.0	.0					2.5	12.7
NE	.1	.7	1.8	3.3	1.6	.4	.0	.0					8.0	13.2
ENE	.1	1.5	5.5	12.4	5.7	1.4	.1	.0					26.7	13.7
E	.1	3.0	10.1	16.9	4.6	.7	.0	.0					35.5	12.2
ESE	.1	2.0	4.0	2.7	.4	.0	.0	.0					9.2	9.5
SE	.0	.8	2.0	1.1	.1	.0	.0	.0					4.1	9.3
SSE	.0	.6	1.1	.5	.1	.0	.0	.0					2.4	9.1
S	.1	.8	1.2	.7	.2	.0	.0	.0	.0	.0			3.0	9.3
SSW	.0	.4	.5	.3	.1	.0	.0	.0					1.3	9.9
SW	.0	.4	.4	.2	.1	.0	.0	.0					1.1	9.3
WSW	.0	.3	.3	.1	.1	.0	.0	.0					.8	9.1
W	.0	.3	.3	.2	.0	.0	.0	.0					.8	8.0
WNW	.0	.2	.2	.0	.0	.0	.0	.0					.4	7.4
NW	.0	.2	.2	.1	.0								.6	8.4
NNW	.0	.3	.3	.2	.0	.0							.8	8.6

VARIABLE

CALM

TOTALS

.9

.8 12.2 29.1 40.3 13.4 3.0 .2 .0 .0 .0 100.0 11.8

TOTAL NUMBER OF OBSERVATIONS: 7848

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
 USAFETAC FROM HOURLY OBSERVATIONS
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 912450 STATION NAME: WAKE ISLAND PERIOD OF RECORD: 77-86 MONTH: ALL HOURS(LST): ALL

CEILINGS 200 TO 1400 FEET WITH VISIBILITIES 1/2 MILE OR MORE

AND/OR

CEILINGS 200 FEET OR MORE WITH VISIBILITIES 1/2 TO 2-1/2 MILES

DIRECTION (DEGREES)	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56	TOTAL	MEAN WIND
N	.8	.8	.8	.8	.6	.9	.8	.5				5.0	18.5
NNE	.5	.3	1.1	1.1	1.7	.9	.3					4.7	17.6
NE	.8	1.4	3.0	2.6	1.5	.3	.3					9.8	16.5
ENE	.5	2.3	5.0	3.5	2.7	.2	.2					14.1	16.2
E	.8	6.8	14.4	4.5	1.2	.8						28.4	13.9
ESE	.6	2.9	4.1	1.7	.5	.2						9.8	13.6
SE	.2	2.1	2.3	1.7	.2	.2						6.5	13.7
SSE	.2	.6	1.2	.5	.2	.2						2.7	14.2
S	.3	1.7	1.7	.5	.3	.2	.6	.2				5.4	17.9
SSW	.2	.5	1.1	.8	.8	1.2	.2					4.5	21.2
SW	.2	.5	.9	.3	.6	.3	.2					2.9	18.2
WSW		.6	.5	.2	.2	.2						1.5	14.6
W	.5	.5	.5	.5								1.4	10.2
WNW	.5		.3									.8	10.0
NW		.8	.3									1.1	10.1
NNW		.6	.2	.2								.9	7.3

VARIABLE

CALM .8 /

TOTALS .5 5.7 21.5 36.1 19.1 9.8 4.2 2.1 .2 .2 100.0 15.3

TOTAL NUMBER OF OBSERVATIONS: 665

PART D

CEILING VERSUS VISIBILITY

This summary is a bivariate percentage frequency distribution by classes of ceiling from zero to equal to or greater than 20,000 feet and as a separate class "no ceiling", versus visibility in 16 classes from zero to equal to or greater than 10 miles. Data are derived from hourly observations, and three sets of tables are presented as follows:

1. Annual - all years and all hours combined
2. By month - all years and all hours combined
3. By month - by standard 3-hour groups

Due to the cumulative nature of this presentation, it is possible to determine the percentage frequency of occurrence for any given limit of ceiling or visibility separately, or in combination of ceiling and visibility. The totals progress to the right and downward. Ceiling may be determined independently by referring to totals in the extreme right hand column. Also, visibility may be determined independently by reference to the horizontal row of totals at the bottom of the page. The percentage frequency for which the station was meeting or exceeding any given set of minima may be determined from the figure at the intersection of the appropriate ceiling column and visibility row. Several examples in the use of these tables are shown on pages 2 and 3 below.

U. S. Weather Bureau and Navy stations did not report ceilings within the range 10,000 feet and higher prior to January 1949. Summaries prepared from data for these stations using the earlier period and data subsequent to January 1949 will be modified to limit ceilings to 10,000 feet. Short periods of record prior to 1949 for these stations will be eliminated from the summary. For Air Force stations, the "no ceiling" category includes clear and scattered conditions, and ceilings above 20,000 feet for period through June 1948. Beginning in July 1948 for Air Force stations and January 1949 for USWB and U. S. Navy stations the "no ceiling" category consists of observations with less than 6/10 total sky cover and those cases where total sky cover is 6/10 or more, but not more than 1/2 of the sky cover is opaque.

Beginning in January 1968, METAR stations report visibilities to 6 miles and then greater than 6 miles. Thus, for METAR stations, the category equal to or greater than 10 miles is not printed in the tables, unless the summary was for a period ending before January 1968.

Continued on Reverse Side

EXAMPLES FOR USE OF CEILING VERSUS VISIBILITY TABLES IN THIS TABULATION

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ 5/16	≥ 0
NO CEILING												
≥ 1800												
≥ 1500					91.0							92.6
≥ 1200												
≥ 1000												
≥ 900												
≥ 800												
≥ 700												
≥ 600												
≥ 500									97.4			98.1
≥ 400												
≥ 300												
≥ 200												
≥ 100												
0					95.4		96.9		98.3			100.0

EXAMPLE # 1 Read ceiling values independently of visibility under column at right headed ≥ 0 .
For instance, from the table: Ceiling ≥ 1500 feet = 92.6%.

Ceiling ≥ 500 feet = 98.1%.

EXAMPLE # 2 Read visibilities independently of ceilings on bottom line opposite ≥ 0 . From the table:
Visibility ≥ 3 miles = 95.4%.

Visibility ≥ 2 miles = 96.9%.

Visibility ≥ 1 mile = 98.3%.

EXAMPLE # 3 To obtain combinations of ceiling with visibility, read figure at intersection of the two categories; i.e.: Ceiling ≥ 1500 feet with visibility ≥ 3 miles = 91.0%.

ADDITIONAL EXAMPLES

EXAMPLE # 4

Values below minimums stated in the table may be obtained by subtracting the value given in the table from 100%.

Thus, to obtain the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles, subtract the value read from the table at the intersection, which is 91.0, from 100.0. The answer 9.0 is the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles.

Likewise, the percentage of observations with ceiling < 500 feet and/or visibility < 1 mile is 2.6, obtained by subtracting 97.4 from 100.0.

EXAMPLE # 5

To find the percentage of observations falling within the two categories given in example above, subtract the value read from the table for the first set of limits from the value in the table for the second set of limits. The difference will be the percentage of observations meeting the lower set of limits, but not meeting the higher set of limits.

The value 91.0 read from the table at the intersection of ≥ 1500 feet with ≥ 3 miles, subtracted from 97.4 read from the table at the intersection of ≥ 500 feet with ≥ 1 mile is equal to 6.4%. Thus, 6.4 percent of the observations meet the criteria: "ceiling ≥ 500 feet with visibility > 1 mile, but < 3 miles; or ceiling ≥ 500 feet, but < 1500 feet with visibility ≥ 1 mile."

Since these tabulations are prepared in several ways including by month, by 3-hour groups it is possible to determine diurnal variations of ceiling and visibility limits as well as probabilities of various ceiling-visibility combinations.

GLOBAL CLIMATOLOGY BRANCH
USAF/CIAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 912450 STATION NAME: WAKE ISLAND

PERIOD OF RECORD: 77-86
MONTH: JAN HOURS(LST): 0000-0200

CEILING VISIBILITY IN STATUTE MILES

IN	1	GE	10	6	GE	5	4	GE	3	2	1/2	GE	2	1	1/2	1	3/4	GE	5/8	1/2	5/16	1/4	GE
FEET	1	GE	10	6	GE	5	4	GE	3	2	1/2	GE	2	1	1/2	1	3/4	GE	5/8	1/2	5/16	1/4	GE
NO CEIL	69.1	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
GE 20000	70.0	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9
GE 18000	70.0	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9
GE 16000	70.0	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9
GE 14000	70.0	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9
GE 12000	70.2	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
GE 10000	71.0	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
GE 9000	71.1	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
GE 8000	72.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
GE 7000	72.3	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
GE 6000	72.6	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
GE 5000	76.7	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
GE 4500	77.6	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
GE 4000	81.1	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
GE 3500	82.3	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
GE 3000	84.8	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
GE 2500	85.5	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 2000	85.8	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 1800	85.8	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 1500	85.8	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
GE 1200	85.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 1000	85.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 900	85.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 800	85.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 700	85.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 600	85.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 500	85.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 400	85.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 300	85.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 200	85.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 100	85.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 0	85.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1

TOTAL NUMBER OF OBSERVATIONS: 892

PERIOD OF RECORD: 77-86
MONTH: JAN HOURS (LST): 0300-0500

STATION NUMBER: 912450 STATION NAME: WAKE ISLAND

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VISIBILITY IN STATUTE MILES

[illegible][illegible][illegible]

Year	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100	2101	2102	2103	2104	2105	2106	2107	2108	2109	2110	2111	2112	2113	2114	2115	2116	2117	2118	2119	2120	2121	2122	2123	2124	2125	2126	2127	2128	2129	2130	2131	2132	2133	2134	2135	2136	2137	2138	2139	2140	2141	2142	2143	2144	2145	2146	2147	2148	2149	2150	2151	2152	2153	2154	2155	2156	2157	2158	2159	2160	2161	2162	2163	2164	2165	2166	2167	2168	2169	2170	2171	2172	2173	2174	2175	2176	2177	2178	2179	2180	2181	2182	2183	2184	2185	2186	2187	2188	2189	2190	2191	2192	2193	2194	2195	2196	2197	2198	2199	2200	2201	2202	2203	2204	2205	2206	2207	2208	2209	2210	2211	2212	2213	2214	2215	2216	2217	2218	2219	2220	2221	2222	2223	2224	2225	2226	2227	2228	2229	2230	2231	2232	2233	2234	2235	2236	2237	2238	2239	2240	2241	2242	2243	2244	2245	2246	2247	2248	2249	2250	2251	2252	2253	2254	2255	2256	2257	2258	2259	2260	2261	2262	2263	2264	2265	2266	2267	2268	2269	2270	2271	2272	2273	2274	2275	2276	2277	2278	2279	2280	2281	2282	2283	2284	2285	2286	2287	2288	2289	2290	2291	2292	2293	2294	2295	2296	2297	2298	2299	2300	2301	2302	2303	2304	2305	2306	2307	2308	2309	2310	2311	2312	2313	2314	2315	2316	2317	2318	2319	2320	2321	2322	2323	2324	2325	2326	2327	2328	2329	2330	2331	2332	2333	2334	2335	2336	2337	2338	2339	2340	2341	2342	2343	2344	2345	2346	2347	2348	2349	2350	2351	2352	2353	2354	2355	2356	2357	2358	2359	2360	2361	2362	2363	2364	2365	2366	2367	2368	2369	2370	2371	2372	2373	2374	2375	2376	2377	2378	2379	2380	2381	2382	2383	2384	2385	2386	2387	2388	2389	2390	2391	2392	2393	2394	2395	2396	2397	2398	2399	2400	2401	2402	2403	2404	2405	2406	2407	2408	2409	2410	2411	2412	2413	2414	2415	2416	2417	2418	2419	2420	2421	2422	2423	2424	2425	2426	2427	2428	2429	2430	2431	2432	2433	2434	2435	2436	2437	2438	2439	2440	2441	2442
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Year	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100	2101	2102	2103	2104	2105	2106	2107	2108	2109	2110	2111	2112	2113	2114	2115	2116	2117	2118	2119	2120	2121	2122	2123	2124	2125	2126	2127	2128	2129	2130	2131	2132	2133	2134	2135	2136	2137	2138	2139	2140	2141	2142	2143	2144	2145	2146	2147	2148	2149	2150	2151	2152	2153	2154	2155	2156	2157	2158	2159	2160	2161	2162	2163	2164	2165	2166	2167	2168	2169	2170	2171	2172	2173	2174	2175	2176	2177	2178	2179	2180	2181	2182	2183	2184	2185	2186	2187	2188	2189	2190	2191	2192	2193	2194	2195	2196	2197	2198	2199	2200	2201	2202	2203	2204	2205	2206	2207	2208	2209	2210	2211	2212	2213	2214	2215	2216	2217	2218	2219	2220	2221	2222	2223	2224	2225	2226	2227	2228	2229	2230	2231	2232	2233	2234	2235	2236	2237	2238	2239	2240	2241	2242	2243	2244	2245	2246	2247	2248	2249	2250	2251	2252	2253	2254	2255	2256	2257	2258	2259	2260	2261	2262	2263	2264	2265	2266	2267	2268	2269	2270	2271	2272	2273	2274	2275	2276	2277	2278	2279	2280	2281	2282	2283	2284	2285	2286	2287	2288	2289	2290	2291	2292	2293	2294	2295	2296	2297	2298	2299	2300	2301	2302	2303	2304	2305	2306	2307	2308	2309	2310	2311	2312	2313	2314	2315	2316	2317	2318	2319	2320	2321	2322	2323	2324	2325	2326	2327	2328	2329	2330	2331	2332	2333	2334	2335	2336	2337	2338	2339	2340	2341	2342	2343	2344	2345	2346	2347	2348	2349	2350	2351	2352	2353	2354	2355	2356	2357	2358	2359	2360	2361	2362	2363	2364	2365	2366	2367	2368	2369	2370	2371	2372	2373	2374	2375	2376	2377	2378	2379	2380	2381	2382	2383	2384	2385	2386	2387	2388	2389	2390	2391	2392	2393	2394	2395	2396	2397	2398	2399	2400	2401	2402	2403	2404	2405	2406	2407	2408	2409	2410	2411	2412	2413	2414	2415	2416	2417	2418	2419	2420	2421	2422	2423	2424	2425	2426	2427	2428	2429	2430	2431	2432	2433	2434	2435	2436	2437	2438	2439	2440	2441	2442	2443	2444	2445	2446	2447
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[illegible]

500	83.2	97.8	99.5	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0
400	83.2	97.8	99.5	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0
300	83.2	97.8	99.5	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0
200	83.2	97.8	99.5	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0
100	83.2	97.8	99.5	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0

[illegible]

TOTAL NUMBER OF OBSERVATIONS: 780

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
 USAFETAC FROM HOURLY OBSERVATIONS
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 912450 STATION NAME: WAKE ISLAND PERIOD OF RECORD: 77-86
 MONTH: JAN HOURS(LST): 0600-0800

VISIBILITY IN STATUTE MILES												
CEILING IN FEET	10	6	5	4	3	2	1/2	1	1/4	1	3/4	5/8
GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
NO CEIL	59.2	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
GE 20000	60.7	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6
GE 18000	60.7	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6
GE 16000	60.7	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6
GE 14000	60.7	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6
GE 12000	61.3	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
GE 10000	62.7	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6
GE 9000	62.9	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
GE 8000	63.0	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9
GE 7000	63.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2
GE 6000	63.6	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
GE 5000	71.6	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
GE 4500	73.8	79.7	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
GE 4000	79.9	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
GE 3500	81.9	91.4	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
GE 3000	85.2	95.8	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
GE 2500	85.3	95.9	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
GE 2000	85.7	96.5	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE 1800	85.7	96.5	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE 1500	86.0	97.0	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 1200	86.2	97.5	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 1000	86.2	97.7	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 900	86.2	97.7	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 800	86.2	97.7	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 700	86.2	97.7	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 600	86.2	97.7	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 500	86.2	97.7	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 400	86.2	97.7	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 300	86.2	97.7	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 200	86.2	97.7	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 100	86.2	97.7	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 0	86.2	97.7	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5

TOTAL NUMBER OF OBSERVATIONS: 824

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
 USAFETAC
 AIR WEATHER SERVICE/HAC

STATION NUMBER: 912450 STATION NAME: WAKE ISLAND PERIOD OF RECORD: 77-86
 MONTH: JAN HOURS(LST): 0900-1100

CEILING		VISIBILITY IN STATUTE MILES															
IN FEET	10	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
		6	5	4	3	2	1 1/2	1	1/2	1/4	1	3/4	5/8	1/2	5/16	1/4	0
.....																	
NO CEIL	62.2	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8
GE 20000	64.1	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6
GE 18000	64.1	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6
GE 16000	64.2	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
GE 14000	64.5	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1
GE 12000	64.9	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
GE 10000	66.2	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9
GE 9000	66.6	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
GE 8000	66.9	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
GE 7000	67.2	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9
GE 6000	68.4	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
GE 5000	77.6	79.2	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
GE 4500	80.6	82.7	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
GE 4000	87.4	90.6	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
GE 3500	89.0	92.5	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
GE 3000	90.9	94.9	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
GE 2500	91.4	95.5	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
GE 2000	92.2	97.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
GE 1800	92.2	97.1	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 1500	92.2	97.4	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 1200	92.4	97.6	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 1000	92.4	97.8	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 900	92.4	97.8	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 800	92.4	97.8	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 700	92.4	97.8	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 600	92.4	97.8	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 500	92.4	97.8	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 400	92.4	97.8	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 300	92.4	97.8	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 200	92.4	97.8	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 100	92.4	97.8	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 0	92.4	97.8	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2

TOTAL NUMBER OF OBSERVATIONS: 871

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
USAFETAC FROM HOURLY OBSERVATIONS
AIR WEATHER SERVICE/HAC

STATION NUMBER: 912450 STATION NAME: WAKE ISLAND

PERIOD OF RECORD: 77-86
MONTH: JAN HOURS(LST): 1200-1400

CEILING VISIBILITY IN STATUTE MILES

IN FEET	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4
GE 20000	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
GE 18000	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
GE 16000	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
GE 14000	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
GE 12000	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8
GE 10000	71.3	71.5	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
GE 9000	71.3	71.5	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
GE 8000	71.8	72.0	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
GE 7000	72.0	72.2	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
GE 6000	73.6	73.8	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
GE 5000	82.1	82.8	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
GE 4500	84.7	85.9	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
GE 4000	90.7	92.6	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
GE 3500	91.8	94.4	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
GE 3000	92.7	95.4	96.2	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
GE 2500	92.9	95.9	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
GE 2000	93.3	96.7	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GE 1800	93.4	96.8	97.6	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
GE 1500	94.0	97.6	98.5	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 1200	94.1	97.8	98.7	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 1000	94.1	98.1	99.1	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 900	94.1	98.1	99.1	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 800	94.1	98.1	99.1	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 700	94.1	98.2	99.2	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 600	94.1	98.2	99.2	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 500	94.1	98.2	99.2	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 400	94.1	98.2	99.2	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 300	94.1	98.2	99.2	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 200	94.1	98.2	99.2	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 100	94.1	98.2	99.2	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 0	94.1	98.2	99.2	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS: 278

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
USAFETAC FROM HOURLY OBSERVATIONS
AIR WEATHER SERVICE/HAC

STATION NUMBER: 912450 STATION NAME: WAKE ISLAND PERIOD OF RECORD: 77-86
MONTH: JAN HOURS(LST): 1500-1700

CEILING IN FEET	VISIBILITY IN STATUTE MILES																GE 1/2	GE 5/8	GE 1	GE 3/4	GE 1 1/4	GE 1 1/2	GE 2	GE 3	GE 4	GE 5	GE 6	GE 10																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
	69.1	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3													69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3

TOTAL NUMBER OF OBSERVATIONS: 873

GLOBAL CLIMATOLOGY BRANCH
USAF/CIAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 912450 STATION NAME: WAKE ISLAND

PERIOD OF RECORD: 77-86
MONTH: JAN HOURS(IST): 2100-2300

CEILING		VISIBILITY IN STATUTE MILES															
IN		GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
FEET		10	6	5	4	3	2	1 1/2	1	1/4	1	3/4	5/8	1/2	5/16	1/4	0
NO CEIL		65.8	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
GE 20000		66.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
GE 18000		66.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
GE 16000		66.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
GE 14000		66.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
GE 12000		66.9	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
GE 10000		67.9	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
GE 9000		68.5	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
GE 8000		68.7	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2
GE 7000		69.3	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
GE 6000		69.3	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
GE 5000		74.8	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
GE 4500		75.9	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
GE 4000		78.3	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
GE 3500		79.3	92.6	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
GE 3000		81.1	94.7	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
GE 2500		81.9	96.2	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
GE 2000		82.3	97.0	97.9	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
GE 1800		82.3	97.0	97.9	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
GE 1500		82.8	98.0	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 1200		82.8	98.0	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 1000		82.8	98.0	99.1	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 900		82.8	98.0	99.1	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 800		82.8	98.0	99.1	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 700		82.8	98.0	99.1	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 600		82.8	98.0	99.1	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 500		82.8	98.0	99.1	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 400		82.8	98.0	99.1	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 300		82.8	98.0	99.1	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 200		82.8	98.0	99.1	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 100		82.8	98.0	99.1	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 0		82.8	98.0	99.1	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6

TOTAL NUMBER OF OBSERVATIONS: 889

STATION NUMBER: 912450 STATION NAME: WAKE ISLAND
PERIOD OF RECORD: 77-86
MONTH: FEB HOURS(LST): 0000-0200

STATION NUMBER: 912450 STATION NAME: YAKE ISLAND

PERIOD OF RECORD: 77-86

MONTH: FEB HOURS(LST): 0000-0200

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CEILING
VISIBILITY IN STATUTE MILES

[illegible][illegible][illegible]

Year	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100	2101	2102	2103	2104	2105	2106	2107	2108	2109	2110	2111	2112	2113	2114	2115	2116	2117	2118	2119	2120	2121	2122	2123	2124	2125	2126	2127	2128	2129	2130	2131	2132	2133	2134	2135	2136	2137	2138	2139	2140	2141	2142	2143	2144	2145	2146	2147	2148	2149	2150	2151	2152	2153	2154	2155	2156	2157	2158	2159	2160	2161	2162	2163	2164	2165	2166	2167	2168	2169	2170	2171	2172	2173	2174	2175	2176	2177	2178	2179	2180	2181	2182	2183	2184	2185	2186	2187	2188	2189	2190	2191	2192	2193	2194	2195	2196	2197	2198	2199	2200	2201	2202	2203	2204	2205	2206	2207	2208	2209	2210	2211	2212	2213	2214	2215	2216	2217	2218	2219	2220	2221	2222	2223	2224	2225	2226	2227	2228	2229	2230	2231	2232	2233	2234	2235	2236	2237	2238	2239	2240	2241	2242	2243	2244	2245	2246	2247	2248	2249	2250	2251	2252	2253	2254	2255	2256	2257	2258	2259	2260	2261	2262	2263	2264	2265	2266	2267	2268	2269	2270	2271	2272	2273	2274	2275	2276	2277	2278	2279	2280	2281	2282	2283	2284	2285	2286	2287	2288	2289	2290	2291	2292	2293	2294	2295	2296	2297	2298	2299	2300	2301	2302	2303	2304	2305	2306	2307	2308	2309	2310	2311	2312	2313	2314	2315	2316	2317	2318	2319	2320	2321	2322	2323	2324	2325	2326	2327	2328	2329	2330	2331	2332	2333	2334	2335	2336	2337	2338	2339	2340	2341	2342	2343	2344	2345	2346	2347	2348	2349	2350	2351	2352	2353	2354	2355	2356	2357	2358	2359	2360	2361	2362	2363	2364	2365	2366	2367	2368	2369	2370	2371	2372	2373	2374	2375	2376	2377	2378	2379	2380	2381	2382	2383	2384	2385	2386	2387	2388	2389	2390	2391	2392	2393	2394	2395	2396	2397	2398	2399	2400	2401	2402	2403	2404	2405	2406	2407	2408	2409	2410	2411	2412	2413	2414	2415	2416	2417	2418	2419	2420	2421	2422	2423	2424	2425	2426	2427	2428	2429	2430	2431	2432	2433	2434	2435	2436	2437	2438	2439	2440	2441	2442	2443	2444	2445	2446	2447
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5000	77.8	88.1	88.1	88.1	86.1	88.1	88.1	88.1	88.1	88.1	88.1
4500	78.8	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
4000	80.4	93.2	93.2	93.3	93.4	93.4	93.4	93.4	93.4	93.4	93.4
3500	80.4	93.3	93.3	93.4	93.5	93.5	93.5	93.5	93.5	93.5	93.5
3000	82.7	96.6	96.7	96.8	97.0	97.0	97.0	97.0	97.0	97.0	97.0

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100	83.2	98.5	99.3	99.8	100.0	100.0	100.0	100.0	100.0	100.0
200	83.2	98.5	-	99.3	99.8	100.0	100.0	100.0	100.0	100.0
300	83.2	98.5	99.3	99.8	100.0	100.0	100.0	100.0	100.0	100.0
400	83.2	98.5	99.3	99.8	100.0	100.0	100.0	100.0	100.0	100.0
500	83.2	98.5	99.3	99.8	100.0	100.0	100.0	100.0	100.0	100.0
600	83.2	98.5	99.3	99.8	100.0	100.0	100.0	100.0	100.0	100.0
700	83.2	98.5	99.3	99.8	100.0	100.0	100.0	100.0	100.0	100.0
800	83.2	98.5	99.3	99.8	100.0	100.0	100.0	100.0	100.0	100.0
900	83.2	98.5	99.3	99.8	100.0	100.0	100.0	100.0	100.0	100.0
1000	83.2	98.5	99.3	99.8	100.0	100.0	100.0	100.0	100.0	100.0

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TOTAL NUMBER OF OBSERVATIONS: 821

GLOBAL CLIMATOLOGY BRANCH
USAF/ETC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 912450 STATION NAME: WAKE ISLAND PERIOD OF RECORD: 77-86
MONTH: FEB HOURS(LST): 0300-0500

CEILING		VISIBILITY IN STATUTE MILES																						
IN	FEET	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
		10	6	5	4	3	2 1/2	2	1 1/2	1 1/4	1	3/4	5/8	1/2	5/16	1/4	0							
NO CEIL		64.9	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6							
GE	20000	65.0	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8
GE	18000	65.0	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8
GE	16000	65.0	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8
GE	14000	65.0	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8
GE	12000	65.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
GE	10000	65.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
GE	9000	65.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
GE	8000	66.4	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
GE	7000	67.1	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
GE	6000	67.8	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
GE	5000	73.0	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
GE	4500	74.2	86.2	86.2	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
GE	4000	77.2	93.0	93.0	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
GE	3500	78.2	94.1	94.1	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
GE	3000	79.5	95.9	95.9	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
GE	2500	79.6	96.3	96.3	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
GE	2000	80.6	97.6	97.6	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE	1800	80.8	97.6	97.9	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
GE	1500	81.0	98.5	98.9	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE	1200	81.0	98.5	99.2	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE	1000	81.0	98.5	99.2	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE	900	81.0	98.5	99.2	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE	800	81.0	98.5	99.2	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE	700	81.0	98.5	99.2	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE	600	81.0	98.5	99.2	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE	500	81.0	98.5	99.2	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE	400	81.0	98.5	99.2	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE	300	81.0	98.5	99.2	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE	200	81.0	98.5	99.2	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE	100	81.0	98.5	99.2	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE	0	81.0	98.5	99.2	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS: 712

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
 USAFETAC FROM HOURLY OBSERVATIONS
 AIR WEATHER SERVICE/HAC

STATION NUMBER: 912450 STATION NAME: WAKE ISLAND

PERIOD OF RECORD: 77-86
 MONTH: FEB HOURS(LST): 0600-0800

CEILING VISIBILITY IN STATUTE MILES

IN	1	GE	10	GE	6	GE	5	GE	4	GE	3	2	1 1/2	GE	1 1/2	1	GE	1 1/4	1	GE	3/4	5/8	1/2	5/16	1/4	GE	0
FEET	1	GE	10	GE	6	GE	5	GE	4	GE	3	2	1 1/2	GE	1 1/2	1	GE	1 1/4	1	GE	3/4	5/8	1/2	5/16	1/4	GE	0
NO CEIL	1	66.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	71.0	71.0	71.0	71.0
GE 20000	67.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.4	71.4	71.4	71.4
GE 18000	67.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.6	71.6	71.6	71.6
GE 16000	67.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.6	71.6	71.6	71.6
GE 14000	67.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.6	71.6	71.6	71.6
GE 12000	67.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.7	71.7	71.7	71.7
GE 10000	68.2	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.4	72.4	72.4	72.4	72.4
GE 9000	68.2	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.4	72.4	72.4	72.4	72.4
GE 8000	68.6	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.9	72.9	72.9	72.9	72.9
GE 7000	68.6	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.3	73.3	73.3	73.3	73.3
GE 6000	69.4	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.4	74.4	74.4	74.4	74.4
GE 5000	76.0	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.4	82.4	82.4	82.4	82.4
GE 4500	78.3	85.1	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.4	85.4	85.4	85.4	85.4
GE 4000	81.8	90.5	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.9	90.9	90.9	90.9	90.9
GE 3500	83.5	92.8	93.0	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.3	93.3	93.3	93.3	93.3
GE 3000	85.1	95.2	95.6	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	96.0	96.0	96.0	96.0	96.0
GE 2500	85.4	95.6	96.0	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.4	96.4	96.4	96.4	96.4
GE 2000	86.2	96.5	96.9	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.3	97.3	97.3	97.3	97.3
GE 1800	86.3	96.6	97.1	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.5	97.5	97.5	97.5	97.5
GE 1500	87.3	97.9	98.7	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.2	99.3	99.3	99.3	99.3	99.3
GE 1200	87.3	98.0	98.6	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.3	99.5	99.5	99.5	99.5	99.5
GE 1000	87.3	98.0	98.8	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.3	99.5	99.5	99.5	99.5	99.5
GE 900	87.3	98.0	98.8	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.3	99.5	99.5	99.5	99.5	99.5
GE 800	87.3	98.0	98.8	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.5	99.6	99.6	99.6	99.6	99.6
GE 700	87.3	98.0	98.8	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.6	99.6	99.7	99.7	99.7	99.7	99.7
GE 600	87.3	98.1	98.9	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.7	99.7	99.9	99.9	99.9	99.9	99.9
GE 500	87.3	98.1	98.9	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.7	99.7	99.9	99.9	99.9	99.9	99.9
GE 400	87.3	98.1	98.9	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.7	99.7	99.9	99.9	99.9	99.9	99.9
GE 300	87.3	98.1	98.9	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.7	99.7	99.9	99.9	99.9	99.9	99.9
GE 200	87.3	98.1	98.9	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.7	99.7	99.9	99.9	99.9	99.9	99.9
GE 100	87.3	98.1	98.9	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.7	99.7	99.9	99.9	99.9	99.9	99.9
GE 0	87.3	98.1	98.9	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.7	99.7	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS: 746

STATION NUMBER: 912450 STATION NAME: WAKE ISLAND

STATION NUMBER: 912450

STATION NUMBER: 912450 STATION NAME: WAKE ISLAND

PERIOD OF RECORD: 77-86
MONTH: FEB HOURS(LST): 0900-1100

[illegible][illegible][illegible][illegible][illegible][illegible]

Year	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100
1990	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100

[illegible][illegible]

7	6.000	77.5
8	6.000	77.5
9	76.4	77.5
10	77.5	77.5
11	77.5	77.5
12	77.5	77.5
13	77.5	77.5
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37	77.5	77.5
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65	77.5	77.5
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68	77.5	77.5
69	77.5	77.5
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72	77.5	77.5
73	77.5	77.5
74	77.5	77.5
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80	77.5	77.5
81	77.5	77.5
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84	77.5	77.5
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86	77.5	77.5
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88	77.5	77.5
89	77.5	77.5
90	77.5	77.5
91	77.5	77.5
92	77.5	77.5
93	77.5	77.5
94	77.5	77.5
95	77.5	77.5
96	77.5	77.5
97	77.5	77.5
98	77.5	77.5
99	77.5	77.5
100	77.5	77.5

[illegible][illegible]

3500	91.8	95.2	95.5	95.5	95.5	95.5	95.5
3000	91.8	95.2	95.5	95.5	95.5	95.5	95.5
2500	91.8	95.2	95.5	95.5	95.5	95.5	95.5
2000	91.8	95.2	95.5	95.5	95.5	95.5	95.5
1500	91.8	95.2	95.5	95.5	95.5	95.5	95.5
1000	91.8	95.2	95.5	95.5	95.5	95.5	95.5
500	91.8	95.2	95.5	95.5	95.5	95.5	95.5
0	91.8	95.2	95.5	95.5	95.5	95.5	95.5

1. The first group of respondents (n = 10) was composed of students from the Faculty of Education, University of Zagreb, who were enrolled in the course of Educational Psychology. They were asked to complete the questionnaire at the beginning of the semester. The second group (n = 10) was composed of students from the Faculty of Education, University of Zagreb, who were enrolled in the course of Educational Psychology. They were asked to complete the questionnaire at the end of the semester. The third group (n = 10) was composed of students from the Faculty of Education, University of Zagreb, who were enrolled in the course of Educational Psychology. They were asked to complete the questionnaire at the beginning of the semester. The fourth group (n = 10) was composed of students from the Faculty of Education, University of Zagreb, who were enrolled in the course of Educational Psychology. They were asked to complete the questionnaire at the end of the semester. The fifth group (n = 10) was composed of students from the Faculty of Education, University of Zagreb, who were enrolled in the course of Educational Psychology. They were asked to complete the questionnaire at the beginning of the semester. The sixth group (n = 10) was composed of students from the Faculty of Education, University of Zagreb, who were enrolled in the course of Educational Psychology. They were asked to complete the questionnaire at the end of the semester. The seventh group (n = 10) was composed of students from the Faculty of Education, University of Zagreb, who were enrolled in the course of Educational Psychology. They were asked to complete the questionnaire at the beginning of the semester. The eighth group (n = 10) was composed of students from the Faculty of Education, University of Zagreb, who were enrolled in the course of Educational Psychology. They were asked to complete the questionnaire at the end of the semester. The ninth group (n = 10) was composed of students from the Faculty of Education, University of Zagreb, who were enrolled in the course of Educational Psychology. They were asked to complete the questionnaire at the beginning of the semester. The tenth group (n = 10) was composed of students from the Faculty of Education, University of Zagreb, who were enrolled in the course of Educational Psychology. They were asked to complete the questionnaire at the end of the semester.

[illegible][illegible][illegible][illegible]

98	1000	94.3	98.5	99.2	99.9	100.0	100.0	100.0
99	1000	94.3	98.5	99.2	99.9	100.0	100.0	100.0

[illegible][illegible][illegible]

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
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	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100	2101	2102	2103	2104	2105	2106	2107	2108	2109	2110	2111	2112	2113	2114	2115	2116	2117	2118	2119	2120	2121	2122	2123	2124	2125	2126	2127	2128	2129	2130	2131	2132	2133	2134	2135	2136	2137	2138	2139	2140	2141	2142	2143	2144	2145	2146	2147	2148	2149	2150	2151	2152	2153	2154	2155	2156	2157	2158	2159	2160	2161	2162	2163	2164	2165	2166	2167	2168	2169	2170	2171	2172	2173	2174	2175	2176	2177	2178	2179	2180	2181	2182	2183	2184	2185	2186	2187	2188	2189	2190	2191	2192	2193	2194	2195	2196	2197	2198	2199	2200	2201	2202	2203	2204	2205	2206	2207	2208	2209	2210	2211	2212	2213	2214	2215	2216	2217	2218	2219	2220	2221	2222	2223	2224	2225	2226	2227	2228	2229	2230	2231	2232	2233	2234	2235	2236	2237	2238	2239	2240	2241	2242	2243	2244	2245	2246	2247	2248	2249	2250	2251	2252	2253	2254	2255	2256	2257	2258	2259	2260	2261	2262	2263	2264	2265	2266	2267	2268	2269	2270	2271	2272	2273	2274	2275	2276	2277	2278	2279	2280	2281	2282	2283	2284	2285	2286	2287	2288	2289	2290	2291	2292	2293	2294	2295	2296	2297	2298	2299	2300	2301	2302	2303	2304	2305	2306	2307	2308	2309	2310	2311	2312	2313	2314	2315	2316	2317	2318	2319	2320	2321	2322	2323	2324	2325	2326	2327	2328	2329	2330	2331	2332	2333	2334	2335	2336	2337	2338	2339	2340	2341	2342	2343	2344	2345	2346	2347	2348	2349	2350	2351	2352	2353	2354	2355	2356	2357	2358	2359	2360	2361	2362	2363	2364	2365	2366	2367	2368	2369	2370	2371	2372	2373	2374	2375	2376	2377	2378	2379	2380	2381	2382	2383	2384	2385	2386	2387	2388	2389	2390	2391	2392	2393	2394	2395	2396	2397	2398	2399	2400	2401	2402	2403	2404	2405	2406	2407	2408	2409	2410	2411	2412	2413	2414	2415	2416	2417	2418	2419	2420	2421	2422	2423	2424	2425	2426	2427	2428	2429	2430	2431	2432	2
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1000

TOTAL NUMBER OF OBSERVATIONS: 792

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GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

STATION NUMBER: 912450 STATION NAME: WAKE ISLAND

PERIOD OF RECORD: 77-86
MONTH: FEB HOURS(LST): 1200-1400

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

		VISIBILITY IN STATUTE MILES																			
		GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
		10	6	5	4	3	2 1/2	2	1 1/2	1 1/4	1	3/4	5/8	1/2	5/16	1/4	0				
CEILING IN FEET		10	6	5	4	3	2 1/2	2	1 1/2	1 1/4	1	3/4	5/8	1/2	5/16	1/4	0				
NO CEIL		73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2				
GE 20000		74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5				
GE 18000		74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5				
GE 16000		74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7				
GE 14000		74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9				
GE 12000		75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0				
GE 10000		75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7				
GE 9000		76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4				
GE 8000		78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4				
GE 7000		79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9				
GE 6000		81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9				
GE 5000		87.3	88.6	88.6	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7				
GE 4500		89.7	89.7	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8				
GE 4000		93.0	95.3	95.4	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5				
GE 3500		93.8	96.0	96.1	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3				
GE 3000		93.5	96.3	96.4	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5				
GE 2500		93.7	96.6	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9				
GE 2000		94.9	98.1	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5				
GE 1800		94.9	98.3	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6				
GE 1500		94.9	98.8	99.0	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3				
GE 1200		94.9	98.8	99.0	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3				
GE 1000		94.9	98.8	99.0	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3				
GE 900		94.9	98.8	99.0	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3				
GE 800		94.9	98.8	99.0	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3				
GE 700		94.9	98.8	99.0	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3				
GE 600		94.9	98.8	99.0	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3				
GE 500		94.9	98.8	99.0	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3				
GE 400		94.9	98.8	99.0	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3				
GE 300		94.9	98.8	99.0	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3				
GE 200		94.9	98.8	99.0	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3				
GE 100		94.9	98.8	99.0	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3				
GE 0		94.9	98.8	99.0	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3				

TOTAL NUMBER OF OBSERVATIONS: 865

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 912450 STATION NAME: WAKE ISLAND

PERIOD OF RECORD: 77-86
MONTH: FEB HOURS(IST): 1500-1700

CEILING		VISIBILITY IN STATUTE MILES																			
IN	FEET	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
		10	5	4	3	2	1 1/2	1 1/4	1	3/4	5/8	1/2	5/16	1/4	0						
NO CEIL																					
GE	2000	76.3	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4
GE	1800	76.7	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
GE	1600	76.7	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
GE	1400	77.0	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
GE	1200	77.0	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
GE	1000	77.6	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
GE	800	78.5	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
GE	700	80.7	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
GE	600	82.4	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
GE	500	89.8	90.8	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
GE	450	90.4	91.4	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
GE	400	93.5	95.2	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
GE	350	93.8	96.1	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
GE	300	94.2	96.6	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
GE	250	94.5	96.9	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
GE	200	94.7	97.2	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GE	180	94.8	97.6	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
GE	150	95.6	98.5	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE	120	95.6	98.6	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE	100	95.6	98.6	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE	90	95.6	98.6	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE	80	95.6	98.9	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE	70	95.6	98.9	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE	60	95.6	98.9	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE	50	95.6	98.9	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE	40	95.6	98.9	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE	30	95.6	98.9	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE	20	95.6	98.9	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE	10	95.6	98.9	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE	0	95.6	98.9	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6

TOTAL NUMBER OF OBSERVATIONS: 794

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
 USAFCTAC FROM HOURLY OBSERVATIONS
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 912450 STATION NAME: WAKE ISLAND

PERIOD OF RECORD: 77-86
 MONTH: FEB HOURS(LST): 1800-2000

CEILING		VISIBILITY IN STATUTE MILES															
IN	FEET	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
		10	6	5	4	3	2	1 1/2	2	1 1/2	1	1 1/4	1	3/4	5/8	1/2	5/16
NO CEIL		73.8	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
GE 20000	74.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
GE 18000	74.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
GE 16000	74.8	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
GE 14000	74.9	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
GE 12000	75.1	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
GE 10000	76.2	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
GE 9000	76.8	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
GE 8000	77.6	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
GE 7000	78.3	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
GE 6000	80.1	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
GE 5000	86.5	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
GE 4500	87.3	90.2	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
GE 4000	90.0	93.7	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
GE 3500	90.1	94.1	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
GE 3000	91.7	95.9	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
GE 2500	92.1	96.5	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
GE 2000	92.5	97.5	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
GE 1800	92.5	97.9	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 1500	93.0	98.6	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 1200	93.0	98.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 1000	93.0	98.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 900	93.0	98.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 800	93.0	98.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 700	93.0	98.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 600	93.0	98.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 500	93.0	98.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 400	93.0	98.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 300	93.0	98.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 200	93.0	98.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 100	93.0	98.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 01	93.0	98.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS: 798

PERIOD OF RECORD: 77-86
MONTH: FEB HOURS (LST): 2100-2300

.....VISIBILITY IN STATUTE MILES

[illegible][illegible][illegible][illegible]

79.1	89.7	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
79.8	90.5	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
4500	6E								
81.0	92.9	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
4000									
81.2	93.4	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
3500									
82.9	95.8	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
3000									

[illegible][illegible][illegible][illegible]

TOTAL NUMBER OF OBSERVATIONS: 807

PERIOD OF RECORD: 77-86
MONTH: FEB HOURS (LST): ALL

STATION NUMBER: 912450 STATION NAME: WAKE ISLAND

..... V I S I B I L I T Y I N S T A T U T E M I L E S

		STRENGTH IN STIRRUPS																		
		GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
		10	6	5	4	3	2	1/2	2	1	1/2	1	1/4	1	3/4	5/8	1/2	5/16	1/4	0
.....																				
NO	CLIL	70.9	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.9	74.9	
GE	20000	71.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	
GE	18000	71.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	
GE	16000	71.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	
GE	14000	71.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	
GE	12000	71.8	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	
GE	10000	72.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	
GE	9000	73.1	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	
GE	8000	73.8	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	
GE	7000	74.6	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	
GE	6000	75.7	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	
GE	5000	81.7	87.3	87.3	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	
GE	4500	82.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	
GE	4000	86.1	93.4	93.7	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.9	93.9	
GE	3500	86.7	94.3	94.6	94.7	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	
GE	3000	87.9	96.1	96.4	96.6	96.6	96.6	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	
GE	2500	88.1	96.4	96.9	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	
GE	2000	88.8	97.4	97.9	98.1	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	
GE	1800	88.8	97.7	98.1	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	
GE	1500	89.2	98.4	99.0	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	
GE	1200	89.2	98.5	99.2	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.7	99.7	
GE	1000	89.2	98.5	99.3	99.5	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	
GE	900	89.2	98.5	99.3	99.5	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	
GE	800	89.2	98.5	99.3	99.5	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	
GE	700	89.2	98.5	99.3	99.5	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	
GE	600	89.2	98.5	99.3	99.5	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	
GE	500	89.2	98.5	99.3	99.5	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	
GE	400	89.2	98.5	99.3	99.5	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	
GE	300	89.2	98.5	99.3	99.5	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	
GE	200	89.2	98.5	99.3	99.5	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	
GE	100	89.2	98.5	99.3	99.5	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	
GE	0	89.2	98.5	99.3	99.5	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	

TOTAL NUMBER OF OBSERVATIONS: 6275

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
 USAFETAC FROM HOURLY OBSERVATIONS
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 912450 STATION NAME: WAKE ISLAND

PERIOD OF RECORD: 77-86
 MONTH: MAR HOURS(LST): 0000-0200

CEILING IN FEET		VISIBILITY IN STATUTE MILES																PERIOD OF RECORD: 77-86 MONTH: MAR			
		GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE				
	10	10	6	5	4	3	2	1/2	1	1/2	1	1/4	1	3/4	5/8	1/2	5/16	1/4	1/4	0	
.....																					
NO CEIL	71.5	77.5	77.5	77.5	77.5	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
GE 20000	71.8	77.9	77.9	77.9	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
GE 18000	71.8	78.0	78.0	78.0	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2
GE 16000	72.0	78.3	78.3	78.3	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5
GE 14000	72.0	78.3	78.3	78.3	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5
GE 12000	72.0	78.3	78.3	78.3	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5
GE 10000	72.5	78.7	78.7	78.7	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
GE 9000	72.5	78.9	78.9	78.9	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1
GE 8000	72.5	79.3	79.3	79.3	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5
GE 7000	73.0	79.9	79.9	79.9	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
GE 6000	74.4	81.3	81.3	81.3	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5
GE 5000	77.0	85.6	85.6	85.6	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
GE 4500	77.7	87.1	87.1	87.1	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
GE 4000	79.3	91.3	91.3	91.3	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
GE 3500	80.0	92.6	93.0	93.0	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
GE 3000	81.0	94.3	94.6	94.6	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
GE 2500	81.2	95.0	95.3	95.3	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
GE 2000	82.1	96.5	96.9	96.9	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
GE 1800	82.1	96.5	96.9	96.9	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
GE 1500	82.7	97.7	98.1	98.2	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
GE 1200	82.7	98.1	98.5	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 1000	82.7	98.2	98.6	98.9	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 900	82.7	98.2	98.6	98.9	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 800	82.7	98.2	98.6	98.9	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 700	82.7	98.2	98.6	98.9	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 600	82.7	98.2	98.6	98.9	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 500	82.7	98.2	98.6	98.9	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 400	82.7	98.2	98.6	98.9	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 300	82.7	98.2	98.6	98.9	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 200	82.7	98.2	98.6	98.9	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 100	82.7	98.2	98.6	98.9	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 0	82.7	98.2	98.6	98.9	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS: 894

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
 USAFETAC
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 912450 STATION NAME: WAKE ISLAND PERIOD OF RECORD: 77-86
 MONTH: MAR HOURS(LST): 0300-0500

		VISIBILITY IN STATUTE MILES																	
		GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
CEILING	IN	1	2	3	4	5	6	10	10	10	10	10	10	10	10	10	10	10	10
FEET		10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
.....																			
NO CEIL		66.8	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
GE 20000		67.0	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
GE 18000		67.0	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
GE 16000		67.0	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
GE 14000		67.2	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
GE 12000		67.2	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
GE 10000		67.7	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
GE 9000		67.7	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
GE 8000		67.7	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
GE 7000		68.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
GE 6000		69.4	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
GE 5000		73.9	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
GE 4500		74.7	84.8	85.0	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
GE 4000		77.5	91.1	91.8	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
GE 3500		92.5	92.9	92.9	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
GE 3000		79.2	93.4	94.3	94.5	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
GE 2500		79.6	94.0	94.8	95.1	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
GE 2000		80.7	95.3	96.3	96.6	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
GE 1800		81.4	96.0	97.0	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
GE 1500		81.7	96.7	97.9	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 1200		81.7	96.9	98.4	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 1000		81.7	96.9	98.4	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 900		81.7	96.9	98.4	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 800		81.7	96.9	98.4	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 700		81.7	96.9	98.4	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 600		81.7	96.9	98.4	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 500		81.7	96.9	98.4	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 400		81.7	96.9	98.4	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 300		81.7	96.9	98.4	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 200		81.7	96.9	98.4	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 100		81.7	96.9	98.4	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE		01	81.7	96.9	98.4	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
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TOTAL NUMBER OF OBSERVATIONS: 731

STATION NUMBER: 912450 STATION NAME: WAKE ISLAND
PERIOD OF RECORD: 77-86
MONTH: MAR HOURS(LST): 0600-0800

[illegible][illegible][illegible][illegible][illegible][illegible][illegible][illegible][illegible][illegible][illegible]

TOTAL NUMBER OF OBSERVATIONS: 829

STATION NUMBER: 912450 STATION NAME: WAKE ISLAND PERIOD OF RECORD: 77-86

STATION NUMBER: 912450 STATION NAME: WAKE ISLAND

TOTAL NUMBER OF OBSERVATIONS: 800

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 912450 STATION NAME: WAKE ISLAND

PERIOD OF RECORD: 77-86

MONTH: MAR HOURS(LST): 1200-1400

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	1	2	3	4	5	6	10	15	20	25	30	35	40	45	50	55
NO CEIL	75.3	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
GE 20000	76.2	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8
GE 18000	76.3	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9
GE 16000	76.3	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9
GE 14000	76.3	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9
GE 12000	76.4	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
GE 10000	76.9	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5
GE 8000	77.0	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
GE 6000	77.1	79.4	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5
GE 5000	78.0	80.0	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
GE 4500	79.1	81.2	81.4	81.5	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
GE 4000	82.9	85.5	85.9	86.1	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
GE 3500	85.7	89.0	89.5	89.6	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
GE 3000	88.1	92.1	92.6	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
GE 2500	90.1	94.4	95.0	95.1	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
GE 2000	90.2	94.9	95.5	95.6	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
GE 1800	90.7	95.9	96.5	96.9	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
GE 1600	90.9	96.4	96.9	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
GE 1500	91.4	97.2	98.1	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 1200	91.4	97.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 1000	91.4	97.3	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 900	91.4	97.3	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 800	91.4	97.3	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 700	91.4	97.3	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 600	91.4	97.3	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 500	91.4	97.3	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 400	91.4	97.3	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 300	91.4	97.3	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 200	91.4	97.3	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 100	91.4	97.3	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 0	91.4	97.3	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8

TOTAL NUMBER OF OBSERVATIONS: 882

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
 USAFETAC FROM HOURLY OBSERVATIONS
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 912450 STATION NAME: WAKE ISLAND

PERIOD OF RECORD: 77-86
 MONTH: MAR HOURS(LST): 1500-1700

CEILING IN FEET	VISIBILITY IN STATUTE MILES																			
	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
	10	6	5	4	3	2	1 1/2	1	1/4	1	3/4	5/8	1/2	5/16	1/4	U				
NO CEIL	74.6	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8				
GE 20000	75.5	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
GE 18000	75.5	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
GE 16000	75.5	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
GE 14000	75.5	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
GE 12000	75.8	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
GE 10000	76.0	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
GE 9000	76.5	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9
GE 8000	76.8	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
GE 7000	77.3	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
GE 6000	79.6	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8
GE 5000	84.0	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
GE 4500	85.7	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
GE 4000	88.1	93.6	93.7	93.7	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
GE 3500	88.8	94.4	94.6	94.6	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
GE 3000	89.4	95.4	95.5	95.5	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
GE 2500	89.8	95.9	96.0	96.0	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
GE 2000	90.2	96.9	97.3	97.3	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GE 1800	90.2	97.2	97.5	97.5	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
GE 1500	90.7	98.5	98.8	98.8	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 1200	90.8	98.6	98.9	98.9	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 1000	90.8	98.6	98.9	98.9	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 900	90.8	98.6	98.9	98.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 800	90.8	98.6	98.9	98.9	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 700	90.8	98.6	98.9	98.9	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 600	90.8	98.6	98.9	98.9	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 500	90.8	98.6	98.9	98.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 400	90.8	98.6	98.9	98.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 300	90.8	98.6	98.9	98.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 200	90.8	98.6	98.9	98.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 100	90.8	98.6	98.9	98.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 0	90.8	98.6	98.9	98.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS: 846

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
 USAF-TAC FROM HOURLY OBSERVATIONS
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 912450 STATION NAME: WAKE ISLAND

PERIOD OF RECORD: 77-86
 MONTH: MAR HOURS(LST): 1800-2000

CEILING		VISIBILITY IN STATUTE MILES															
		GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
IN	FEET	10	6	5	4	3	2	1 1/2	1 1/4	1	3/4	5/8	1/2	5/16	1/4	0	0
NO	CEIL	74.3	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4
GE	20000	75.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
GE	18000	75.7	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8
GE	16000	75.7	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8
GE	14000	75.8	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
GE	12000	76.5	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
GE	10000	76.5	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
GE	8000	77.0	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
GE	7000	77.8	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
GE	6000	79.6	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
GE	5000	84.5	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
GE	4500	86.2	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
GE	4000	89.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
GE	3500	90.3	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
GE	3000	90.7	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
GE	2500	91.0	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
GE	2000	91.4	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
GE	1800	91.6	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
GE	1500	92.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE	1200	92.2	98.8	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE	1000	92.2	98.9	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE	900	92.2	98.9	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE	800	92.2	98.9	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE	700	92.2	98.9	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE	600	92.2	98.9	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE	500	92.2	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE	400	92.2	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE	300	92.2	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE	200	92.2	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE	100	92.2	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE	0	92.2	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS: 884

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 912450 STATION NAME: WAKE ISLAND

PERIOD OF RECORD: 77-86
MONTH: MAR HOURS(IST): 2100-2300

CEILING IN FEET VISIBILITY IN STATUTE MILES

	10	6	5	4	3	2 1/2	2	1 1/2	1 1/4	1	3/4	5/8	1/2	5/16	1/4	0
NO CEIL	74.3	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
GE 20000	74.6	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
GE 18000	74.6	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
GE 16000	74.6	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
GE 14000	74.7	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
GE 12000	75.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
GE 10000	75.4	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
GE 9000	75.6	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
GE 8000	75.8	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
GE 7000	76.0	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5
GE 6000	77.2	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
GE 5000	79.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
GE 4500	81.2	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
GE 4000	83.3	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
GE 3500	83.3	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
GE 3000	83.8	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
GE 2500	83.9	95.7	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
GE 2000	84.7	97.0	97.3	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
GE 1800	84.8	97.3	97.5	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
GE 1500	85.4	98.2	98.8	98.9	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 1200	85.5	98.4	99.0	99.1	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 1000	85.6	98.6	99.2	99.3	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 900	85.6	98.6	99.2	99.3	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 800	85.6	98.6	99.2	99.3	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 700	85.6	98.6	99.2	99.3	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 600	85.6	98.6	99.2	99.3	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	85.6	98.6	99.2	99.3	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	85.6	98.6	99.2	99.3	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	85.6	98.6	99.2	99.3	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	85.6	98.6	99.2	99.3	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	85.6	98.6	99.2	99.3	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 0	85.6	98.6	99.2	99.3	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 861

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
 USAF/CIAC FROM HOURLY OBSERVATIONS
 AIR WEATHER SERVICE/MAC

STATION NUMBLR: 912450 STATION NAME: WAKE ISLAND

PERIOD OF RECORD: 77-86
 MONTH: MAR HOURS(1ST): ALL

CEILING		VISIBILITY IN STATUTE MILES																							
IN FEET	10	GE		GE		GE		GE		GE		GE		GE		GE		GE		GE		GE		GE	
		6	5	4	3	2	1 1/2	1	1/4	1	3/4	5/8	1/2	5/16	1/4	0									
NO CEIL	71.7	75.1	75.1	75.1	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2									
GE 20000	72.4	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9									
GE 18000	72.4	75.9	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0									
GE 16000	72.4	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0									
GE 14000	72.5	76.1	76.1	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2									
GE 12000	72.8	76.4	76.4	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5									
GE 10000	73.1	76.8	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9									
GE 9000	73.4	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2									
GE 8000	73.7	77.6	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7									
GE 7000	74.1	78.2	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3									
GE 6000	75.3	79.6	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7									
GE 5000	79.9	85.4	85.5	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6									
GE 4500	81.5	87.7	87.9	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0									
GE 4000	84.4	92.1	92.5	92.5	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6									
GE 3500	85.0	93.1	93.4	93.4	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5									
GE 3000	85.9	94.3	94.7	94.8	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9									
GE 2500	86.2	94.8	95.2	95.3	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4									
GE 2000	86.8	96.1	96.6	96.6	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0									
GE 1800	87.0	96.4	96.9	97.1	97.2	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3									
GE 1500	87.6	97.4	98.2	98.4	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8									
GE 1200	87.7	97.7	98.5	98.8	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3									
GE 1000	87.7	97.8	98.8	99.1	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7									
GE 900	87.7	97.8	98.8	99.1	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7									
GE 800	87.7	97.8	98.8	99.1	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7									
GE 700	87.7	97.8	98.8	99.1	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7									
GE 600	87.7	97.8	98.8	99.1	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8									
GE 500	87.7	97.8	98.8	99.1	99.6	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9									
GE 400	87.7	97.8	98.8	99.1	99.6	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9									
GE 300	87.7	97.8	98.8	99.1	99.6	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9									
GE 200	87.7	97.8	98.8	99.1	99.6	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9									
GE 100	87.7	97.8	98.8	99.1	99.6	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9									
GE 0	87.7	97.8	98.8	99.1	99.6	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9									

TOTAL NUMBER OF OBSERVATIONS: 6807

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
 USAFETAC FROM HOURLY OBSERVATIONS
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 912450 STATION NAME: WAKE ISLAND

PERIOD OF RECORD: 77-86
 MONTH: APR HOURS(LST): 0000-0200

CEILING VISIBILITY IN STATUTE MILES

FEET	10	GE	6	5	4	3	2	1 1/2	1	3/4	5/8	1/2	5/16	1/4	0
NO CEIL	69.7	75.4	76.4	76.4	76.4	77.2	77.2	78.2	78.6	78.6	78.6	78.6	78.6	78.6	78.6
GE 20000	71.5	77.4	78.4	78.4	78.4	79.2	79.2	80.3	80.6	80.6	80.6	80.6	80.6	80.6	80.6
GE 18000	71.6	77.5	78.6	78.6	78.6	79.4	79.4	80.4	80.7	80.7	80.7	80.7	80.7	80.7	80.7
GE 16000	71.7	77.7	78.7	78.7	78.7	79.5	79.5	80.5	80.8	80.8	80.8	80.8	80.8	80.8	80.8
GE 14000	71.7	77.7	78.7	78.7	78.7	79.5	79.5	80.5	80.8	80.8	80.8	80.8	80.8	80.8	80.8
GE 12000	71.9	78.1	79.1	79.1	79.1	79.9	79.9	81.0	81.3	81.3	81.3	81.3	81.3	81.3	81.3
GE 10000	72.7	78.9	79.9	79.9	79.9	80.7	80.7	81.8	82.1	82.1	82.1	82.1	82.1	82.1	82.1
GE 9000	73.2	79.5	80.5	80.5	80.5	81.3	81.3	82.3	82.7	82.7	82.7	82.7	82.7	82.7	82.7
GE 8000	73.5	79.8	80.8	80.8	80.8	81.6	81.6	82.7	83.0	83.0	83.0	83.0	83.0	83.0	83.0
GE 7000	73.9	80.3	81.3	81.3	81.3	82.1	82.1	83.1	83.5	83.5	83.5	83.5	83.5	83.5	83.5
GE 6000	75.3	82.0	83.0	83.0	83.0	83.8	83.8	84.8	85.2	85.2	85.2	85.2	85.2	85.2	85.2
GE 5000	79.4	87.5	88.6	88.6	88.6	89.4	89.4	90.4	90.8	90.8	90.8	90.8	90.8	90.8	90.8
GE 4500	79.6	87.7	88.8	88.8	88.8	89.6	89.6	90.6	91.0	91.0	91.0	91.0	91.0	91.0	91.0
GE 4000	81.8	91.0	92.2	92.2	92.2	93.0	93.0	94.1	94.4	94.4	94.4	94.4	94.4	94.4	94.4
GE 3500	82.0	91.4	92.8	92.8	92.8	93.6	93.6	94.6	95.0	95.0	95.0	95.0	95.0	95.0	95.0
GE 3000	82.8	92.8	94.3	94.3	94.3	95.1	95.1	96.1	96.5	96.5	96.5	96.5	96.5	96.5	96.5
GE 2500	82.8	93.2	94.6	94.6	94.6	95.4	95.4	96.5	96.8	96.8	96.8	96.8	96.8	96.8	96.8
GE 2000	82.9	93.7	95.2	95.2	95.2	96.4	96.4	97.4	97.7	97.7	97.7	97.7	97.7	97.7	97.7
GE 1800	82.9	93.7	95.2	95.2	95.2	96.4	96.4	97.4	97.7	97.7	97.7	97.7	97.7	97.7	97.7
GE 1500	83.5	95.2	96.8	96.8	96.8	97.9	97.9	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 1200	83.5	95.3	96.9	96.9	96.9	98.3	98.3	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 1000	83.5	95.3	96.9	96.9	96.9	98.3	98.3	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 900	83.5	95.4	97.1	97.1	97.1	98.5	98.5	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	83.5	95.4	97.1	97.1	97.1	98.5	98.5	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	83.5	95.4	97.1	97.1	97.1	98.5	98.5	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	83.5	95.4	97.1	97.1	97.1	98.5	98.5	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	83.5	95.4	97.1	97.1	97.1	98.5	98.5	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	83.5	95.4	97.1	97.1	97.1	98.5	98.5	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	83.5	95.4	97.1	97.1	97.1	98.5	98.5	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	83.5	95.4	97.1	97.1	97.1	98.5	98.5	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	83.5	95.4	97.1	97.1	97.1	98.5	98.5	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 0	83.5	95.4	97.1	97.1	97.1	98.5	98.5	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 877

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

STATION NUMBER: 912450 STATION NAME: WAKE ISLAND

PERIOD OF RECORD: 77-86
MONTH: APR HOURS(LST): 0300-0500

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CEILING
VISIBILITY IN STATUTE MILES

[illegible][illegible]

6C	20000	69.1	77.0	78.2	78.2	78.2	79.1	79.1	79.1	79.1	79.1	79.1
6C	18000	69.2	77.2	78.4	78.4	78.4	79.2	79.2	79.2	79.2	79.2	79.2
6E	16000	69.2	77.2	78.4	78.4	78.4	79.2	79.2	79.2	79.2	79.2	79.2
6F	14000	69.4	77.3	78.5	78.5	79.3	79.3	79.3	79.3	79.3	79.3	79.3
6F	12000	69.5	77.4	78.7	78.7	79.5	79.5	79.5	79.5	79.5	79.5	79.5

[illegible][illegible][illegible]

1000	81.3	95.9	98.2	98.9	98.9	100.0	100.0	100.0	100.0	100.0
900	81.3	95.9	98.2	98.9	98.9	100.0	100.0	100.0	100.0	100.0
800	61.3	95.9	98.2	98.9	98.9	100.0	100.0	100.0	100.0	100.0
700	61.3	95.9	98.2	98.9	98.9	100.0	100.0	100.0	100.0	100.0
600	81.3	95.9	98.2	98.9	98.9	100.0	100.0	100.0	100.0	100.0

6E	500	81.3	95.9	98.2	98.2	98.9	98.9	100.0	100.0	100.0	100.0	100.0	100.0
6E	400	81.3	95.9	98.2	98.2	98.9	98.9	100.0	100.0	100.0	100.0	100.0	100.0
6E	300	81.3	95.9	98.2	98.2	98.9	98.9	100.0	100.0	100.0	100.0	100.0	100.0
6E	200	81.3	95.9	98.2	98.2	98.9	98.9	100.0	100.0	100.0	100.0	100.0	100.0
6E	100	81.3	95.9	98.2	98.2	98.9	98.9	100.0	100.0	100.0	100.0	100.0	100.0

[illegible]

TOTAL NUMBER OF OBSERVATIONS: 731

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 912450 STATION NAME: WAKE ISLAND

PERIOD OF RECORD: 77-86
MONTH: APR HOURS(LST): 0600-0800

VISIBILITY IN STATUTE MILES																						
		GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
IN	FCLT	1	10	6	5	4	3	2	1/2	2	1	1/2	1	1/4	1	3/4	5/8	1/2	5/16	1/4	GE	0
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TOTAL NUMBER OF OBSERVATIONS: 801

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 912450 STATION NAME: WAKE ISLAND

PERIOD OF RECORD: 77-86
MONTH: APR HOURS(LST): 0900-1100

CEILING		VISIBILITY IN STATUTE MILES															
IN		GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
FEET		10	6	5	4	3	2 1/2	2	1 1/2	1 1/4	1	3/4	5/8	1/2	5/16	1/4	0
NO CEIL		72.3	72.9	73.0	73.0	73.9	73.9	74.9	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
GE 20000	75.7	76.4	76.5	76.5	77.8	77.8	77.8	78.7	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
GE 18000	76.0	76.7	76.8	76.8	78.1	78.1	78.1	79.1	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2
GE 16000	76.0	76.7	76.8	76.8	78.1	78.1	78.1	79.1	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2
GE 14000	76.3	77.0	77.1	77.1	78.4	78.4	78.4	79.3	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
GE 12000	76.7	77.7	77.8	77.8	79.1	79.1	79.1	80.0	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
GE 10000	77.3	78.5	78.6	78.6	79.9	79.9	79.9	80.8	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
GE 9000	77.7	78.8	78.9	78.9	80.2	80.2	80.2	81.2	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
GE 8000	78.2	79.4	79.5	79.5	80.8	80.8	80.8	81.8	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
GE 7000	78.5	79.6	79.8	79.8	81.1	81.1	81.1	82.0	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1
GE 6000	80.2	81.5	81.9	82.0	83.3	83.3	83.3	84.2	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
GE 5000	84.3	86.9	87.4	87.5	88.8	88.8	88.8	89.7	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
GE 4500	85.5	88.1	88.5	88.7	89.9	89.9	89.9	90.9	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
GE 4000	88.5	91.2	91.8	91.9	93.2	93.2	93.2	94.2	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
GE 3500	88.8	91.6	92.4	92.5	93.8	93.8	93.8	94.7	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
GE 3000	89.5	92.6	93.6	93.7	95.1	95.1	95.1	96.0	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
GE 2500	89.6	92.9	93.8	93.9	95.3	95.3	95.3	96.3	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
GE 2000	89.8	93.7	94.7	94.9	96.4	96.4	96.4	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
GE 1800	89.8	93.7	94.7	94.9	96.4	96.4	96.4	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
GE 1500	90.1	94.3	95.7	95.8	97.4	97.4	97.4	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 1200	90.2	94.6	96.0	96.1	97.8	97.8	97.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 1000	90.2	94.6	96.1	96.3	98.2	98.2	98.2	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 900	90.2	94.6	96.3	96.4	98.4	98.4	98.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 800	90.2	94.6	96.3	96.4	98.4	98.4	98.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 700	90.2	94.6	96.3	96.4	98.4	98.4	98.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 600	90.2	94.6	96.3	96.4	98.4	98.4	98.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 500	90.2	94.6	96.3	96.4	98.4	98.4	98.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 400	90.2	94.6	96.3	96.4	98.4	98.4	98.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 300	90.2	94.6	96.3	96.4	98.4	98.4	98.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 200	90.2	94.6	96.3	96.4	98.4	98.4	98.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 100	90.2	94.6	96.3	96.4	98.4	98.4	98.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 01	90.2	94.6	96.3	96.4	98.4	98.4	98.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6

TOTAL NUMBER OF OBSERVATIONS: 855

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
 USAFETAC FROM HOURLY OBSERVATIONS
 AIR WEATHER SERVICE/HAC

STATION NUMBER: 912450 STATION NAME: WAKE ISLAND

PERIOD OF RECORD: 77-86
 MONTH: APR HOURS(IST): 1200-1400

VISIBILITY IN STATUTE MILES

CEILING IN FEET	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	72.2	72.8	73.1	73.1	74.2	74.2	75.1	75.5	75.5	75.6	75.6	75.6	75.6	75.6	75.6	75.6
GE 20000	76.4	77.2	77.6	77.6	78.8	78.8	79.7	80.0	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
GE 18000	76.5	77.3	77.7	77.7	78.9	78.9	79.8	80.2	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
GE 16000	76.5	77.3	77.7	77.7	78.9	78.9	79.8	80.2	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
GE 14000	76.6	77.5	77.8	77.8	79.0	79.0	79.9	80.3	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
GE 12000	77.5	78.3	78.6	78.6	79.8	79.8	80.8	81.1	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
GE 10000	79.3	79.3	79.7	79.7	80.9	80.9	81.8	82.2	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
GE 9000	78.3	79.3	79.7	79.7	80.9	80.9	81.8	82.2	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
GE 8000	79.5	80.6	81.0	81.0	82.2	82.2	83.1	83.5	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
GE 7000	79.9	81.2	81.6	81.6	82.7	82.7	83.7	84.0	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
GE 6000	81.5	82.7	83.2	83.3	84.5	84.5	85.4	85.8	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
GE 5000	87.2	89.8	90.3	90.4	91.5	91.5	92.6	93.0	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
GE 4500	88.3	91.1	91.5	91.7	92.8	92.8	93.9	94.2	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
GE 4000	89.3	93.1	93.7	93.8	95.1	95.1	96.1	96.5	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
GE 3500	89.3	93.1	93.8	93.9	95.2	95.2	96.2	96.6	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
GE 3000	89.8	93.7	94.4	94.6	96.1	96.1	97.2	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
GE 2500	89.9	93.8	94.6	94.8	96.4	96.4	97.4	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
GE 2000	90.0	94.2	95.2	95.4	96.9	96.9	98.0	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 1800	90.1	94.4	95.3	95.5	97.1	97.1	98.1	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
GE 1500	90.6	95.2	96.1	96.4	97.9	97.9	98.9	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 1200	90.6	95.3	96.4	96.6	98.1	98.1	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 1000	90.6	95.3	96.6	96.8	98.4	98.4	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 900	90.6	95.3	96.6	96.8	98.4	98.4	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 800	90.6	95.3	96.6	96.8	98.4	98.4	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 700	90.6	95.3	96.6	96.8	98.4	98.4	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 600	90.6	95.3	96.6	96.8	98.4	98.4	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 500	90.6	95.3	96.6	96.8	98.4	98.4	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 400	90.6	95.3	96.6	96.8	98.4	98.4	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 300	90.6	95.3	96.6	96.8	98.4	98.4	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 200	90.6	95.3	96.6	96.8	98.4	98.4	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 100	90.6	95.3	96.6	96.8	98.4	98.4	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 0	90.6	95.3	96.6	96.8	98.4	98.4	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS: 852

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 912450 STATION NAME: WAKE ISLAND

PERIOD OF RECORD: 77-86
MONTH: APR HOURS(LST): 1500-1700

VISIBILITY IN STATUTE MILES												
CEILING IN FEET	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1	GE 3/4	GE 5/8	GE 1/2
NO CEIL	70.4	71.4	71.8	71.9	73.0	73.1	74.2	74.6	74.6	74.6	74.6	74.6
GE 20000	75.3	76.3	76.6	76.8	77.9	78.0	79.1	79.4	79.4	79.4	79.4	79.4
GE 18000	75.5	76.5	76.9	77.0	78.1	78.2	79.3	79.7	79.7	79.7	79.7	79.7
GE 16000	75.5	76.5	76.9	77.0	78.1	78.2	79.3	79.7	79.7	79.7	79.7	79.7
GE 14000	75.8	76.8	77.1	77.3	78.3	78.5	79.6	79.9	79.9	79.9	79.9	79.9
GE 12000	76.8	77.7	78.1	78.2	79.3	79.4	80.5	80.9	80.9	80.9	80.9	80.9
GE 10000	77.7	78.7	79.1	79.2	80.3	80.4	81.5	81.9	81.9	81.9	81.9	81.9
GE 9000	77.7	78.7	79.1	79.2	80.3	80.4	81.5	81.9	81.9	81.9	81.9	81.9
GE 8000	78.2	79.3	79.7	79.8	80.9	81.0	82.1	82.5	82.5	82.5	82.5	82.5
GE 7000	78.8	79.9	80.3	80.4	81.5	81.6	82.7	83.1	83.1	83.1	83.1	83.1
GE 6000	80.2	81.3	81.6	81.8	82.8	83.0	84.1	84.4	84.4	84.4	84.4	84.4
GE 5000	85.3	87.6	88.1	88.2	89.3	89.4	90.5	90.9	90.9	90.9	90.9	90.9
GE 4500	86.9	89.3	89.8	89.9	91.0	91.1	92.2	92.6	92.6	92.6	92.6	92.6
GE 4000	88.1	91.2	91.8	92.0	93.1	93.2	94.3	94.6	94.6	94.6	94.6	94.6
GE 3500	88.1	91.2	91.8	92.0	93.1	93.2	94.3	94.6	94.6	94.6	94.6	94.6
GE 3000	88.4	91.8	92.5	92.6	93.9	94.0	95.1	95.5	95.5	95.5	95.5	95.5
GE 2500	88.9	92.3	92.9	93.1	94.4	94.5	95.6	96.0	96.0	96.0	96.0	96.0
GE 2000	89.7	93.4	94.5	94.6	96.1	96.2	97.3	97.7	97.7	97.7	97.7	97.7
GE 1800	89.8	93.6	94.6	94.8	96.2	96.4	97.4	97.8	97.8	97.8	97.8	97.8
GE 1500	89.8	93.8	95.1	95.3	96.8	97.0	98.1	98.4	98.4	98.4	98.4	98.4
GE 1200	89.8	93.8	95.3	95.4	97.3	97.4	98.5	98.9	98.9	98.9	98.9	98.9
GE 1000	89.8	94.0	95.6	95.9	98.3	98.4	99.5	99.9	99.9	99.9	99.9	99.9
GE 900	89.9	94.2	95.7	96.0	98.4	98.5	99.6	100.0	100.0	100.0	100.0	100.0
GE 800	89.9	94.2	95.7	96.0	98.4	98.5	99.6	100.0	100.0	100.0	100.0	100.0
GE 700	89.9	94.2	95.7	96.0	98.4	98.5	99.6	100.0	100.0	100.0	100.0	100.0
GE 600	89.9	94.2	95.7	96.0	98.4	98.5	99.6	100.0	100.0	100.0	100.0	100.0
GE 500	89.9	94.2	95.7	96.0	98.4	98.5	99.6	100.0	100.0	100.0	100.0	100.0
GE 400	89.9	94.2	95.7	96.0	98.4	98.5	99.6	100.0	100.0	100.0	100.0	100.0
GE 300	89.9	94.2	95.7	96.0	98.4	98.5	99.6	100.0	100.0	100.0	100.0	100.0
GE 200	89.9	94.2	95.7	96.0	98.4	98.5	99.6	100.0	100.0	100.0	100.0	100.0
GE 100	89.9	94.2	95.7	96.0	98.4	98.5	99.6	100.0	100.0	100.0	100.0	100.0
GE 0	89.9	94.2	95.7	96.0	98.4	98.5	99.6	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 822

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
 USAFETAC FROM HOURLY OBSERVATIONS
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 912450 STATION NAME: WAKE ISLAND

PERIOD OF RECORD: 77-86
 MONTH: APR HOURS(ULST): 1800-2000

		VISIBILITY IN STATUTE MILES															
		GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
CEILING	IN	10	6	5	4	3	2 1/2	2	1 1/2	1 1/4	1	3/4	5/8	1/2	5/16	1/4	0
NO CEIL	1	67.1	68.4	68.9	69.0	69.9	69.9	71.0	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
GE 20000	1	72.4	74.2	74.7	74.8	75.7	75.7	76.7	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
GE 18000	1	72.8	74.7	75.1	75.2	76.2	76.2	77.2	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5
GE 16000	1	72.8	74.7	75.1	75.2	76.2	76.2	77.2	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5
GE 14000	1	73.4	75.2	75.7	75.8	76.7	76.7	77.8	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
GE 12000	1	73.8	75.8	76.3	76.4	77.3	77.3	78.3	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
GE 10000	1	74.5	76.7	77.2	77.3	78.2	78.2	79.3	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
GE 9000	1	74.9	77.1	77.5	77.6	78.6	78.6	79.6	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
GE 8000	1	75.6	77.9	78.3	78.5	79.4	79.4	80.4	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
GE 7000	1	75.9	78.7	79.1	79.3	80.2	80.2	81.2	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
GE 6000	1	76.5	79.3	79.7	79.8	80.8	80.8	81.8	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1
GE 5000	1	81.0	85.9	86.4	86.5	87.4	87.4	88.5	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
GE 4500	1	81.7	86.8	87.2	87.4	88.4	88.4	89.4	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
GE 4000	1	84.1	89.9	90.4	90.7	91.6	91.6	92.6	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
GE 3500	1	84.2	90.1	90.7	90.9	91.8	91.8	92.9	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
GE 3000	1	84.9	90.9	91.5	91.7	92.6	92.6	93.7	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
GE 2500	1	85.3	91.2	91.8	92.1	93.0	93.0	94.0	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
GE 2000	1	85.9	92.6	93.7	94.0	95.3	95.3	96.3	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
GE 1800	1	86.1	92.9	94.0	94.4	95.6	95.6	96.7	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
GE 1600	1	86.3	94.0	95.2	95.6	97.0	97.0	98.3	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 1400	1	86.3	94.4	95.6	96.1	97.5	97.5	98.7	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 1200	1	86.3	94.4	95.6	96.1	97.5	97.5	98.7	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 1000	1	86.3	94.4	96.0	96.4	97.9	97.9	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 900	1	86.3	94.4	96.0	96.4	97.9	97.9	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 800	1	86.3	94.4	96.0	96.4	98.2	98.2	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 700	1	86.3	94.4	96.0	96.4	98.2	98.2	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 600	1	86.3	94.4	96.0	96.4	98.2	98.2	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 500	1	86.3	94.4	96.0	96.4	98.2	98.2	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 400	1	86.3	94.4	96.0	96.4	98.2	98.2	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 300	1	86.3	94.4	96.0	96.4	98.2	98.2	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 200	1	86.3	94.4	96.0	96.4	98.2	98.2	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 100	1	86.3	94.4	96.0	96.4	98.2	98.2	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 0	1	86.3	94.4	96.0	96.4	98.2	98.2	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS: 868

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 912450 STATION NAME: MAKE ISLAND

PERIOD OF RECORD: 77-86
MONTH: APR HOURS(IST): 2100-2300

CEILING IN FEET	VISIBILITY IN STATUTE MILES																			
	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
	10	6	5	4	3	2 1/2	2	1 1/2	1 1/4	1	3/4	5/8	1/2	5/16	1/4					
NO CEIL	67.2	75.4	76.3	76.3	77.2	77.2	78.2	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6					
GE 20000	69.5	77.9	78.8	78.8	79.6	79.6	80.7	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0					
GE 18000	69.7	78.1	79.0	79.0	79.8	79.8	80.9	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2					
GE 16000	69.7	78.1	79.0	79.0	79.8	79.8	80.9	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2					
GE 14000	70.6	79.1	80.1	80.1	80.9	80.9	81.9	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3					
GE 12000	71.0	79.7	80.7	80.7	81.5	81.5	82.5	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9					
GE 10000	71.2	80.0	80.9	80.9	81.7	81.7	82.8	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1					
GE 9000	71.6	80.3	81.2	81.2	82.1	82.1	83.1	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4					
GE 8000	71.8	80.9	81.8	81.8	82.6	82.6	83.7	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0					
GE 7000	72.1	81.6	82.5	82.5	83.3	83.3	84.4	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7					
GE 6000	73.3	82.9	83.8	83.8	84.6	84.6	85.7	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0					
GE 5000	76.8	87.4	88.3	88.3	89.2	89.2	90.2	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6					
GE 4500	77.6	88.2	89.2	89.2	90.0	90.0	91.0	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4					
GE 4000	80.0	91.8	92.9	92.9	93.7	93.7	94.8	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1					
GE 3500	80.2	92.1	93.2	93.2	94.1	94.1	95.1	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5					
GE 3000	80.5	93.0	94.3	94.3	95.1	95.1	96.2	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5					
GE 2500	80.7	93.1	94.4	94.4	95.2	95.2	96.3	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6					
GE 2000	80.9	93.4	95.3	95.3	96.4	96.4	97.4	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8					
GE 1800	80.9	93.4	95.6	95.6	96.6	96.6	97.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0					
GE 1500	81.1	94.2	96.5	96.5	97.6	97.6	98.6	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0					
GE 1200	81.2	94.3	96.7	96.7	97.8	97.8	98.8	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2					
GE 1000	81.2	94.3	96.7	96.7	97.8	97.8	98.8	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2					
GE 900	81.2	94.4	97.1	97.1	98.1	98.1	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5					
GE 800	81.2	94.6	97.3	97.3	98.4	98.4	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8					
GE 700	81.2	94.8	97.4	97.4	98.5	98.5	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9					
GE 600	81.2	94.8	97.4	97.4	98.5	98.5	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9					
GE 500	81.2	94.8	97.4	97.4	98.5	98.5	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9					
GE 400	81.2	94.8	97.4	97.4	98.5	98.5	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9					
GE 300	81.2	94.8	97.4	97.4	98.5	98.5	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9					
GE 200	81.2	94.8	97.4	97.4	98.5	98.5	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9					
GE 100	81.2	94.8	97.4	97.4	98.5	98.5	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9					
GE 0	81.2	94.8	97.4	97.4	98.5	98.5	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9					

TOTAL NUMBER OF OBSERVATIONS: 858

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY

FROM HOURLY OBSERVATIONS

STATION NUMBER: 912450 STATION NAME: WAKE ISLAND

PERIOD OF RECORD: 77-86
MONTH: APR HOURS(IST): ALL

		VISIBILITY IN STATUTE MILES																	
		GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE		
CEILING	IN	10	6	5	4	3	2	1 1/2	1 1/4	1	3/4	5/8	1/2	5/16	1/4	0			
NO CEIL	69.8	73.1	73.7	73.7	74.5	74.5	74.5	75.5	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
GE 20000	73.0	76.6	77.2	77.3	78.1	78.1	78.1	79.1	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
GE 18000	73.3	76.9	77.5	77.5	78.4	78.4	78.4	79.3	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
GE 16000	73.3	76.9	77.5	77.5	78.4	78.4	78.4	79.4	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
GE 14000	73.6	77.3	77.9	77.9	78.7	78.7	78.7	79.7	79.9	79.9	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
GE 12000	74.1	77.9	78.5	78.5	79.4	79.4	79.4	80.3	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
GE 10000	74.7	78.7	79.3	79.3	80.1	80.2	81.1	81.3	81.3	81.3	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
GE 9000	75.0	78.9	79.5	79.5	80.4	80.4	81.4	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
GE 8000	75.5	79.6	80.2	80.2	81.1	81.1	82.0	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
GE 7000	75.8	80.1	80.7	80.7	81.6	81.6	82.5	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
GE 6000	77.0	81.4	82.1	82.1	83.0	83.0	83.9	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
GE 5000	81.5	87.3	88.0	88.1	89.0	89.0	89.0	89.9	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
GE 4500	82.4	88.3	89.0	89.1	90.0	90.0	90.0	91.0	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
GE 4000	84.6	91.5	92.3	92.4	93.3	93.3	93.3	94.3	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
GE 3500	84.8	91.9	92.8	92.9	93.8	93.8	94.8	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
GE 3000	85.3	92.7	93.7	93.8	94.8	94.8	95.8	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
GE 2500	85.6	93.1	94.2	94.2	95.2	95.2	96.2	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
GE 2000	86.0	93.8	95.1	95.2	96.4	96.4	97.4	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GF 1800	86.0	93.9	95.2	95.3	96.5	96.5	97.5	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
GE 1500	86.3	94.8	96.3	96.4	97.6	97.6	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 1200	86.4	94.9	96.5	96.7	98.0	98.0	99.1	99.3	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 1000	86.4	95.0	96.7	96.9	98.3	98.4	99.4	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 900	86.4	95.0	96.8	97.0	98.4	98.5	99.5	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 800	86.4	95.1	96.8	97.0	98.5	98.5	99.6	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	86.4	95.1	96.8	97.0	98.5	98.6	99.6	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	86.4	95.1	96.8	97.0	98.5	98.6	99.6	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	86.4	95.1	96.8	97.0	98.5	98.6	99.6	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	86.4	95.1	96.8	97.0	98.5	98.6	99.6	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	86.4	95.1	96.8	97.0	98.5	98.6	99.6	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	86.4	95.1	96.8	97.0	98.5	98.6	99.6	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	86.4	95.1	96.8	97.0	98.5	98.6	99.6	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 0	86.4	95.1	96.8	97.0	98.5	98.6	99.6	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 6664

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 912450 STATION NAME: WAKE ISLAND

PERIOD OF RECORD: 77-86
MONTH: MAY HOURS(LST): 0000-0200

VISIBILITY IN STATUTE MILES																
CEILING	1	2	3	4	5	6	10	1/2	1	1 1/4	1 1/2	2	3/4	5/8	1/2	5/16
FEET	10	20	30	40	50	60	100	1/2	1	1 1/4	1 1/2	2	3/4	5/8	1/2	5/16
NO CEIL	79.3	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
GE 20000	80.9	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
GE 18000	80.9	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
GE 16000	81.5	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
GE 14000	81.6	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
GE 12000	81.7	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
GE 10000	82.3	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
GE 9000	82.4	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
GE 8000	83.0	88.7	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
GE 7000	83.3	89.0	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
GE 6000	83.9	90.0	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
GE 5000	87.7	94.3	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
GE 4500	89.1	96.1	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
GE 4000	89.9	97.8	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
GE 3500	90.0	97.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 3000	90.0	97.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 2500	90.0	97.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 2000	90.4	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 1800	90.4	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 1500	90.5	99.2	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 1200	90.6	99.3	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 1000	90.6	99.3	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 900	90.6	99.3	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 800	90.6	99.3	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 700	90.6	99.3	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 600	90.6	99.3	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 500	90.6	99.3	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 400	90.6	99.3	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 300	90.6	99.3	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 200	90.6	99.3	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 100	90.6	99.3	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 01	90.6	99.3	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS: 864

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 912450 STATION NAME: WAKE ISLAND

PERIOD OF RECORD: 77-86
MONTH: MAY HOURS(LST): 0300-0500

CEILING		VISIBILITY IN STATUTE MILES															
IN FEET		GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
		10	6	5	4	3	2 1/2	2	1 1/2	1 1/4	1	3/4	5/8	1/2	5/16	1/4	0
NO CEIL		74.0	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1
GE 20000	76.5	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
GE 18000	76.5	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
GE 16000	77.2	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
GE 14000	77.7	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
GE 12000	78.1	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
GE 10000	78.1	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
GE 9000	78.1	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
GE 8000	78.9	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
GE 7000	79.4	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
GE 6000	80.7	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
GE 5000	84.3	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
GE 4500	85.2	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
GE 4000	87.0	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
GE 3500	87.1	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
GE 3000	87.2	97.3	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
GE 2500	87.2	97.3	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
GE 2000	88.1	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 1800	88.1	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 1500	88.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 1200	88.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 1000	88.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 900	88.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 800	88.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 700	88.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 600	88.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 500	88.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 400	88.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 300	88.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 200	88.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 100	88.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 0	88.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6

TOTAL NUMBER OF OBSERVATIONS: 776

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 912450 STATION NAME: WAKE ISLAND

PERIOD OF RECORD: 77-86
MONTH: MAY HOURS(IST): 0900-1100

CEILING VISIBILITY IN STATUTE MILES

IN FEET	10	6	5	4	3	2 1/2	2	1 1/2	1 1/4	1	3/4	5/8	1/2	5/16	1/4	0
NO CEIL	74.9	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
GE 20000	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
GE 18000	81.4	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5
GE 16000	82.0	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1
GE 14000	82.4	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
GE 12000	82.8	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
GE 10000	83.9	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
GE 8000	84.3	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
GE 7000	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
GE 6000	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
GE 5000	86.1	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
GE 4500	91.7	92.1	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
GE 4000	93.8	94.5	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
GE 3500	95.8	96.9	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
GE 3000	96.3	97.3	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GE 2500	96.5	97.6	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
GE 2000	96.9	97.9	98.1	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 1500	97.8	99.4	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 1200	97.9	99.5	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	97.9	99.5	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	97.9	99.5	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	97.9	99.5	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	97.9	99.5	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	97.9	99.5	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	97.9	99.5	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	97.9	99.5	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	97.9	99.5	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	97.9	99.5	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	97.9	99.5	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 0	97.9	99.5	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 859

STATION NUMBER: 912450 STATION NAME: WAKE ISLAND
PERIOD OF RECORD: 77-86
MONTH: MAY HOURS(LST): 1200-1400

MONTH: MAY HOURS (LST): 1200-1400

CELL 16		VISIBILITY IN STATUTE MILES											
IN	FEET	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
1	10	6	6	4	3	2	1 1/2	1 1/2	1 1/4	1	3/4	5/8	1/4
1	10	6	6	4	3	2	1 1/2	1 1/2	1 1/4	1	3/4	5/8	1/4

[illegible][illegible][illegible]

Year	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100	2101	2102	2103	2104	2105	2106	2107	2108	2109	2110	2111	2112	2113	2114	2115	2116	2117	2118	2119	2120	2121	2122	2123	2124	2125	2126	2127	2128	2129	2130	2131	2132	2133	2134	2135	2136	2137	2138	2139	2140	2141	2142	2143	2144	2145	2146	2147	2148	2149	2150	2151	2152	2153	2154	2155	2156	2157	2158	2159	2160	2161	2162	2163	2164	2165	2166	2167	2168	2169	2170	2171	2172	2173	2174	2175	2176	2177	2178	2179	2180	2181	2182	2183	2184	2185	2186	2187	2188	2189	2190	2191	2192	2193	2194	2195	2196	2197	2198	2199	2200	2201	2202	2203	2204	2205	2206	2207	2208	2209	2210	2211	2212	2213	2214	2215	2216	2217	2218	2219	2220	2221	2222	2223	2224	2225	2226	2227	2228	2229	2230	2231	2232	2233	2234	2235	2236	2237	2238	2239	2240	2241	2242	2243	2244	2245	2246	2247	2248	2249	2250	2251	2252	2253	2254	2255	2256	2257	2258	2259	2260	2261	2262	2263	2264	2265	2266	2267	2268	2269	2270	2271	2272	2273	2274	2275	2276	2277	2278	2279	2280	2281	2282	2283	2284	2285	2286	2287	2288	2289	2290	2291	2292	2293	2294	2295	2296	2297	2298	2299	2300	2301	2302	2303	2304	2305	2306	2307	2308	2309	2310	2311	2312	2313	2314	2315	2316	2317	2318	2319	2320	2321	2322	2323	2324	2325	2326	2327	2328	2329	2330	2331	2332	2333	2334	2335	2336	2337	2338	2339	2340	2341	2342	2343	2344	2345	2346	2347	2348	2349	2350	2351	2352	2353	2354	2355	2356	2357	2358	2359	2360	2361	2362	2363	2364	2365	2366	2367	2368	2369	2370	2371	2372	2373	2374	2375	2376	2377	2378	2379	2380	2381	2382	2383	2384	2385	2386	2387	2388	2389	2390	2391	2392	2393	2394	2395	2396	2397	2398	2399	2400	2401	2402	2403	2404	2405	2406	2407	2408	2409	2410	2411	2412	2413	2414	2415	2416	2417	2418	2419	2420	2421	2422	2423	2424	2425	2426	2427	2428	2429	2430	2431	2432	2433	2434	2435	2436	2437	2438	2439	2440	2441	2442	2443	2444
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TOTAL NUMBER OF OBSERVATIONS: 876

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
 USAFETAC FROM HOURLY OBSERVATIONS
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 912450 STATION NAME: WAKE ISLAND

PERIOD OF RECORD: 77-86
 MONTH: MAY HOURS(IST): 1500-1700

CEILING IN FEET VISIBILITY IN STATUTE MILES

	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
	10	6	5	4	3	2	1 1/2	1 1/4	1	3/4	5/8	1/2	5/16	1/4	0				

NO	CEIL	74.9	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
JF	20000	82.1	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
GE	18000	82.2	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
GE	16000	82.9	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
GE	14000	83.4	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5
GE	12000	83.9	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
GE	10000	85.6	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
GE	9000	86.9	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
GE	8000	87.6	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
GE	7000	87.7	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
GE	6000	89.1	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
GE	5000	94.2	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
GE	4500	95.3	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
GE	4000	96.9	98.3	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
GE	3500	96.9	98.3	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
GE	3000	97.3	98.8	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE	2500	97.4	98.9	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE	2000	97.6	99.3	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE	1800	97.8	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE	1500	97.9	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE	1200	98.0	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE	1000	98.0	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE	900	98.0	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE	800	98.0	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE	700	98.0	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE	600	98.0	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE	500	98.0	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE	400	98.0	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE	300	98.0	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE	200	98.0	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE	100	98.0	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE	01	98.0	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6

TOTAL NUMBER OF OBSERVATIONS: 508

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR FATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 912450 STATION NAME: WAKE ISLAND

PERIOD OF RECORD: 77-86
MONTH: MAY HOURS(IST): 1800-2000

CEILING IN FEET VISIBILITY IN STATUTE MILES

	10	6	5	4	3	2 1/2	2	1 1/2	1 1/4	1	3/4	5/8	1/2	5/16	1/4	0
NO CEIL	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
CE 20000	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
CE 18000	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
CE 16000	85.1	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
CE 14000	85.2	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
CE 12000	85.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
CE 10000	85.9	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
CE 9000	86.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
CE 8000	86.3	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
CE 7000	86.8	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
CE 6000	86.9	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
CE 5000	93.7	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
CE 4500	94.7	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
CE 4000	96.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
CE 3500	96.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
CE 3000	96.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
CE 2500	96.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
CE 2000	96.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
CE 1800	96.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
CE 1500	96.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
CE 1200	96.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
CE 1000	96.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
CE 900	96.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
CE 800	96.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
CE 700	96.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
CE 600	96.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
CE 500	96.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
CE 400	96.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
CE 300	96.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
CE 200	96.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
CE 100	96.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
CE 0	96.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 873

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
USAFETAC FROM HOURLY OBSERVATIONS
AIR WEATHER SERVICE/MAC

STATION NUMBER: 912450 STATION NAME: WAKE ISLAND

PERIOD OF RECORD: 77-86
MONTH: MAY HOURS(LST): 2100-2300

CEILING IN FEET VISIBILITY IN STATUTE MILES

	10	6	5	4	3	2	1 1/2	1	3/4	5/8	1/2	5/16	1/4	0
100 CEIL	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
GE 20000	86.6	89.4	85.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
GE 18000	86.6	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
GE 16000	87.3	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
GE 14000	87.5	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
GE 12000	87.8	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
GE 10000	88.3	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
GE 9000	88.4	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
GE 8000	88.4	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
GE 7000	88.5	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
GE 6000	89.4	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
GE 5000	92.3	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
GE 4500	93.0	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
GE 4000	94.3	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 3500	94.3	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 3000	94.4	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 2500	94.4	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 2000	94.5	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 1800	94.5	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 1500	94.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 1200	94.5	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1000	94.5	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	94.5	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	94.5	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	94.5	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	94.5	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	94.5	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	94.5	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	94.5	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	94.5	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	94.5	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 0	94.5	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 888

PERIOD OF RECORD: 77-86
MONTH: JUN HOURS(LST): 0000-0200

STATION NUMBER: 912450 STATION NAME: WAKE ISLAND

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CEILING
VISIBILITY IN STATUTE MILES

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	9.8	9.76	9.72	9.68	9.64	9.60	9.56	9.52	9.48	9.44	9.40	9.36	9.32	9.28	9.24	9.20	9.16	9.12	9.08	9.04	9.00	8.96	8.92	8.88	8.84	8.80	8.76	8.72	8.68	8.64	8.60	8.56	8.52	8.48	8.44	8.40	8.36	8.32	8.28	8.24	8.20	8.16	8.12	8.08	8.04	8.00	7.96	7.92	7.88	7.84	7.80	7.76	7.72	7.68	7.64	7.60	7.56	7.52	7.48	7.44	7.40	7.36	7.32	7.28	7.24	7.20	7.16	7.12	7.08	7.04	7.00	6.96	6.92	6.88	6.84	6.80	6.76	6.72	6.68	6.64	6.60	6.56	6.52	6.48	6.44	6.40	6.36	6.32	6.28	6.24	6.20	6.16	6.12	6.08	6.04	6.00	5.96	5.92	5.88	5.84	5.80	5.76	5.72	5.68	5.64	5.60	5.56	5.52	5.48	5.44	5.40	5.36	5.32	5.28	5.24	5.20	5.16	5.12	5.08	5.04	5.00	4.96	4.92	4.88	4.84	4.80	4.76	4.72	4.68	4.64	4.60	4.56	4.52	4.48	4.44	4.40	4.36	4.32	4.28	4.24	4.20	4.16	4.12	4.08	4.04	4.00	3.96	3.92	3.88	3.84	3.80	3.76	3.72	3.68	3.64	3.60	3.56	3.52	3.48	3.44	3.40	3.36	3.32	3.28	3.24	3.20	3.16	3.12	3.08	3.04	3.00	2.96	2.92	2.88	2.84	2.80	2.76	2.72	2.68	2.64	2.60	2.56	2.52	2.48	2.44	2.40	2.36	2.32	2.28	2.24	2.20	2.16	2.12	2.08	2.04	2.00	1.96	1.92	1.88	1.84	1.80	1.76	1.72	1.68	1.64	1.60	1.56	1.52	1.48	1.44	1.40	1.36	1.32	1.28	1.24	1.20	1.16	1.12	1.08	1.04	1.00	0.96	0.92	0.88	0.84	0.80	0.76	0.72	0.68	0.64	0.60	0.56	0.52	0.48	0.44	0.40	0.36	0.32	0.28	0.24	0.20	0.16	0.12	0.08	0.04	0.00	-0.04	-0.08	-0.12	-0.16	-0.20	-0.24	-0.28	-0.32	-0.36	-0.40	-0.44	-0.48	-0.52	-0.56	-0.60	-0.64	-0.68	-0.72	-0.76	-0.80	-0.84	-0.88	-0.92	-0.96	-1.00	-1.04	-1.08	-1.12	-1.16	-1.20	-1.24	-1.28	-1.32	-1.36	-1.40	-1.44	-1.48	-1.52	-1.56	-1.60	-1.64	-1.68	-1.72	-1.76	-1.80	-1.84	-1.88	-1.92	-1.96	-2.00	-2.04	-2.08	-2.12	-2.16	-2.20	-2.24	-2.28	-2.32	-2.36	-2.40	-2.44	-2.48	-2.52	-2.56	-2.60	-2.64	-2.68	-2.72	-2.76	-2.80	-2.84	-2.88	-2.92	-2.96	-3.00	-3.04	-3.08	-3.12	-3.16	-3.20	-3.24	-3.28	-3.32	-3.36	-3.40	-3.44	-3.48	-3.52	-3.56	-3.60	-3.64	-3.68	-3.72	-3.76	-3.80	-3.84	-3.88	-3.92	-3.96	-4.00	-4.04	-4.08	-4.12	-4.16	-4.20	-4.24	-4.28	-4.32	-4.36	-4.40	-4.44	-4.48	-4.52	-4.56	-4.60	-4.64	-4.68	-4.72	-4.76	-4.80	-4.84	-4.88	-4.92	-4.96	-5.00	-5.04	-5.08	-5.12	-5.16	-5.20	-5.24	-5.28	-5.32	-5.36	-5.40	-5.44	-5.48	-5.52	-5.56	-5.60	-5.64	-5.68	-5.72	-5.76	-5.80	-5.84	-5.88	-5.92	-5.96	-6.00	-6.04	-6.08	-6.12	-6.16	-6.20	-6.24	-6.28	-6.32	-6.36	-6.40	-6.44	-6.48	-6.52	-6.56	-6.60	-6.64	-6.68	-6.72	-6.76	-6.80	-6.84	-6.88	-6.92	-6.96	-7.00	-7.04	-7.08	-7.12	-7.16	-7.20	-7.24	-7.28	-7.32	-7.36	-7.40	-7.44	-7.48	-7.52	-7.56	-7.60	-7.64	-7.68	-7.72	-7.76	-7.80	-7.84	-7.88	-7.92	-7.96	-8.00	-8.04	-8.08	-8.12	-8.16	-8.20	-8.24	-8.28	-8.
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PERIOD OF RECORD: 77-86
MONTH: JUN HOURS (LST): 0300-0500

PERIOD OF RECORD: 77-86
MONTH: JUN HOURS (LST): 0300-0500

..... VISIBILITY IN STATUTE MILES

[illegible]

	70-3	70-4	70-5	70-6	70-7	70-8	70-9	70-10	70-11	70-12	70-13	70-14	70-15	70-16	70-17	70-18	70-19	70-20	70-21	70-22	70-23	70-24	70-25	70-26	70-27	70-28	70-29	70-30	70-31	70-32	70-33	70-34	70-35	70-36	70-37	70-38	70-39	70-40	70-41	70-42	70-43	70-44	70-45	70-46	70-47	70-48	70-49	70-50	70-51	70-52	70-53	70-54	70-55	70-56	70-57	70-58	70-59	70-60	70-61	70-62	70-63	70-64	70-65	70-66	70-67	70-68	70-69	70-70	70-71	70-72	70-73	70-74	70-75	70-76	70-77	70-78	70-79	70-80	70-81	70-82	70-83	70-84	70-85	70-86	70-87	70-88	70-89	70-90	70-91	70-92	70-93	70-94	70-95	70-96	70-97	70-98	70-99	70-100	70-101	70-102	70-103	70-104	70-105	70-106	70-107	70-108	70-109	70-110	70-111	70-112	70-113	70-114	70-115	70-116	70-117	70-118	70-119	70-120	70-121	70-122	70-123	70-124	70-125	70-126	70-127	70-128	70-129	70-130	70-131	70-132	70-133	70-134	70-135	70-136	70-137	70-138	70-139	70-140	70-141	70-142	70-143	70-144	70-145	70-146	70-147	70-148	70-149	70-150	70-151	70-152	70-153	70-154	70-155	70-156	70-157	70-158	70-159	70-160	70-161	70-162	70-163	70-164	70-165	70-166	70-167	70-168	70-169	70-170	70-171	70-172	70-173	70-174	70-175	70-176	70-177	70-178	70-179	70-180	70-181	70-182	70-183	70-184	70-185	70-186	70-187	70-188	70-189	70-190	70-191	70-192	70-193	70-194	70-195	70-196	70-197	70-198	70-199	70-200	70-201	70-202	70-203	70-204	70-205	70-206	70-207	70-208	70-209	70-210	70-211	70-212	70-213	70-214	70-215	70-216	70-217	70-218	70-219	70-220	70-221	70-222	70-223	70-224	70-225	70-226	70-227	70-228	70-229	70-230	70-231	70-232	70-233	70-234	70-235	70-236	70-237	70-238	70-239	70-240	70-241	70-242	70-243	70-244	70-245	70-246	70-247	70-248	70-249	70-250	70-251	70-252	70-253	70-254	70-255	70-256	70-257	70-258	70-259	70-260	70-261	70-262	70-263	70-264	70-265	70-266	70-267	70-268	70-269	70-270	70-271	70-272	70-273	70-274	70-275	70-276	70-277	70-278	70-279	70-280	70-281	70-282	70-283	70-284	70-285	70-286	70-287	70-288	70-289	70-290	70-291	70-292	70-293	70-294	70-295	70-296	70-297	70-298	70-299	70-300	70-301	70-302	70-303	70-304	70-305	70-306	70-307	70-308	70-309	70-310	70-311	70-312	70-313	70-314	70-315	70-316	70-317	70-318	70-319	70-320	70-321	70-322	70-323	70-324	70-325	70-326	70-327	70-328	70-329	70-330	70-331	70-332	70-333	70-334	70-335	70-336	70-337	70-338	70-339	70-340	70-341	70-342	70-343	70-344	70-345	70-346	70-347	70-348	70-349	70-350	70-351	70-352	70-353	70-354	70-355	70-356	70-357	70-358	70-359	70-360	70-361	70-362	70-363	70-364	70-365	70-366	70-367	70-368	70-369	70-370	70-371	70-372	70-373	70-374	70-375	70-376	70-377	70-378	70-379	70-380	70-381	70-382	70
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1	9	16	25	36	49	64	81	100	121	144
2	16	25	36	49	64	81	100	121	144	169
3	25	36	49	64	81	100	121	144	169	196
4	36	49	64	81	100	121	144	169	196	225
5	49	64	81	100	121	144	169	196	225	256
6	64	81	100	121	144	169	196	225	256	289
7	81	100	121	144	169	196	225	256	289	324
8	100	121	144	169	196	225	256	289	324	361
9	121	144	169	196	225	256	289	324	361	400

[illegible][illegible]

1. The first step is to identify the problem or question that needs to be answered. This involves understanding the context and the specific requirements of the task.

[illegible][illegible]

	90.5	98.1	99.1	99.3	99.6	99.9	100.0	100.0	100.0	100.0
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TOTAL NUMBER OF OBSERVATIONS: 685

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
MAIN WEATHER SERVICE/MAC

STATION NUM3LR: 912450 STATION NAME: WAKE ISLAND

PERIOD OF RECORD: 77-86
MONTH: JUN HOURS(LST): 0600-0800

[illegible]

TOTAL NUMBER OF OBSERVATIONS: 779

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 912450 STATION NAME: WAKE ISLAND

PERIOD OF RECORD: 77-86
MONTH: JUN HOURS(LST): 0900-1100

CEILING

IN FEET	VISIBILITY IN STATUTE MILES										PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY									
	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10
NO CEIL	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
GE 20000	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
GE 18000	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
GE 16000	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
GE 14000	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
GE 12000	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
GE 10000	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
GE 9000	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
GE 8000	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
GE 7000	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
GE 6000	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
GE 5000	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
GE 4500	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE 4000	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 3500	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 3000	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 2500	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 2000	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 1800	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 1600	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 1400	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 1200	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 1000	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 900	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 800	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 700	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 600	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 500	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 400	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 300	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 200	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 100	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 0	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5

TOTAL NUMBER OF OBSERVATIONS: 842

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 912450 STATION NAME: WAKE ISLAND

PERIOD OF RECORD: 77-86
MONTH: JUN HOURS(LST): 1200-1400

CEILING VISIBILITY IN STATUTE MILES

IN FEET	VISIBILITY IN STATUTE MILES															
	10	6	5	4	3	2 1/2	2	1 1/2	1 1/4	1	3/4	5/8	1/2	5/16	1/4	0
NO CEIL	78.3	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
CE 20000	66.6	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
CE 18000	86.6	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
CE 16000	87.1	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
CE 14000	88.8	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
CE 12000	89.8	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5
CE 10000	90.4	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
CE 9000	90.5	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
CE 8000	91.6	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
CE 7000	91.2	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
CE 6000	91.9	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
CE 5000	96.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
CE 4500	96.5	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
CE 4000	96.9	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
CE 3500	96.9	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
CE 3000	97.2	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
CE 2500	97.2	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
CE 2000	97.2	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8
CE 1800	97.2	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8
CE 1500	97.5	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3
CE 1200	97.5	99.2	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
CE 1000	97.5	99.2	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
CE 900	97.5	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
CE 800	97.5	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
CE 700	97.5	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
CE 600	97.5	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
CE 500	97.5	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
CE 400	97.5	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
CE 300	97.5	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
CE 200	97.5	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
CE 100	97.5	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
CE 0	97.5	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6

TOTAL NUMBER OF OBSERVATIONS: 852

PERIOD OF RECORD: 77-86
MONTH: JUN HOURS (LST): 1800-2000

[illegible]

Year	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100	2101	2102	2103	2104	2105	2106	2107	2108	2109	2110	2111	2112	2113	2114	2115	2116	2117	2118	2119	2120	2121	2122	2123	2124	2125	2126	2127	2128	2129	2130	2131	2132	2133	2134	2135	2136	2137	2138	2139	2140	2141	2142	2143	2144	2145	2146	2147	2148	2149	2150	2151	2152	2153	2154	2155	2156	2157	2158	2159	2160	2161	2162	2163	2164	2165	2166	2167	2168	2169	2170	2171	2172	2173	2174	2175	2176	2177	2178	2179	2180	2181	2182	2183	2184	2185	2186	2187	2188	2189	2190	2191	2192	2193	2194	2195	2196	2197	2198	2199	2200	2201	2202	2203	2204	2205	2206	2207	2208	2209	2210	2211	2212	2213	2214	2215	2216	2217	2218	2219	2220	2221	2222	2223	2224	2225	2226	2227	2228	2229	2230	2231	2232	2233	2234	2235	2236	2237	2238	2239	2240	2241	2242	2243	2244	2245	2246	2247	2248	2249	2250	2251	2252	2253	2254	2255	2256	2257	2258	2259	2260	2261	2262	2263	2264	2265	2266	2267	2268	2269	2270	2271	2272	2273	2274	2275	2276	2277	2278	2279	2280	2281	2282	2283	2284	2285	2286	2287	2288	2289	2290	2291	2292	2293	2294	2295	2296	2297	2298	2299	2300	2301	2302	2303	2304	2305	2306	2307	2308	2309	2310	2311	2312	2313	2314	2315	2316	2317	2318	2319	2320	2321	2322	2323	2324	2325	2326	2327	2328	2329	2330	2331	2332	2333	2334	2335	2336	2337	2338	2339	2340	2341	2342	2343	2344	2345	2346	2347	2348	2349	2350	2351	2352	2353	2354	2355	2356	2357	2358	2359	2360	2361	2362	2363	2364	2365	2366	2367	2368	2369	2370	2371	2372	2373	2374	2375	2376	2377	2378	2379	2380	2381	2382	2383	2384	2385	2386	2387	2388	2389	2390	2391	2392	2393	2394	2395	2396	2397	2398	2399	2400	2401	2402	2403	2404	2405	2406	2407	2408	2409	2410	2411	2412	2413	2414	2415	2416	2417	2418	2419	2420	2421	2422	2423	2424	2425	2426	2427	2428	2429	2430	2431
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Year	1961	1962	1963	1964	1965	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100	2101	2102	2103	2104	2105	2106	2107	2108	2109	2110	2111	2112	2113	2114	2115	2116	2117	2118	2119	2120	2121	2122	2123	2124	2125	2126	2127	2128	2129	2130	2131	2132	2133	2134	2135	2136	2137	2138	2139	2140	2141	2142	2143	2144	2145	2146	2147	2148	2149	2150	2151	2152	2153	2154	2155	2156	2157	2158	2159	2160	2161	2162	2163	2164	2165	2166	2167	2168	2169	2170	2171	2172	2173	2174	2175	2176	2177	2178	2179	2180	2181	2182	2183	2184	2185	2186	2187	2188	2189	2190	2191	2192	2193	2194	2195	2196	2197	2198	2199	2200	2201	2202	2203	2204	2205	2206	2207	2208	2209	2210	2211	2212	2213	2214	2215	2216	2217	2218	2219	2220	2221	2222	2223	2224	2225	2226	2227	2228	2229	2230	2231	2232	2233	2234	2235	2236	2237	2238	2239	2240	2241	2242	2243	2244	2245	2246	2247	2248	2249	2250	2251	2252	2253	2254	2255	2256	2257	2258	2259	2260	2261	2262	2263	2264	2265	2266	2267	2268	2269	2270	2271	2272	2273	2274	2275	2276	2277	2278	2279	2280	2281	2282	2283	2284	2285	2286	2287	2288	2289	2290	2291	2292	2293	2294	2295	2296	2297	2298	2299	2300	2301	2302	2303	2304	2305	2306	2307	2308	2309	2310	2311	2312	2313	2314	2315	2316	2317	2318	2319	2320	2321	2322	2323	2324	2325	2326	2327	2328	2329	2330	2331	2332	2333	2334	2335	2336	2337	2338	2339	2340	2341	2342	2343	2344	2345	2346	2347	2348	2349	2350	2351	2352	2353	2354	2355	2356	2357	2358	2359	2360	2361	2362	2363	2364	2365	2366	2367	2368	2369	2370	2371	2372	2373	2374	2375	2376	2377	2378	2379	2380	2381	2382	2383	2384	2385	2386	2387	2388	2389	2390	2391	2392	2393	2394	2395	2396	2397	2398	2399	2400	2401	2402	2403	2404	2405	2406	2407	2408	2409	2410	2411	2412	2413
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TOTAL NUMBER OF OBSERVATIONS: 820

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 912450 STATION NAME: WAKE ISLAND

PERIOD OF RECORD: 77-86
MONTH: JUN HOURS(LST): 2100-2300

CEILING
IN
FLEET

10	6	5	4	3	2	1 1/2	1	3/4	5/8	1/2	5/16	1/4	0
GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE

NO CEIL 84.1 84.1 84.1 84.1 84.1 84.1 84.1 84.1 84.1 84.1 84.1 84.1 84.1 84.1

GE 20000 89.3 89.3 89.3 89.3 89.3 89.3 89.3 89.3 89.3 89.3 89.3 89.3 89.3
GE 18000 89.4 89.4 89.4 89.4 89.4 89.4 89.4 89.4 89.4 89.4 89.4 89.4 89.4
GE 16000 89.4 89.4 89.4 89.4 89.4 89.4 89.4 89.4 89.4 89.4 89.4 89.4 89.4
GE 14000 89.7 89.7 89.7 89.7 89.7 89.7 89.7 89.7 89.7 89.7 89.7 89.7 89.7
GE 12000 89.3 91.3 91.3 91.3 91.3 91.3 91.3 91.3 91.3 91.3 91.3 91.3 91.3

GE 10000 91.7 91.7 91.7 91.7 91.7 91.7 91.7 91.7 91.7 91.7 91.7 91.7 91.7
GE 9000 91.9 91.9 91.9 91.9 91.9 91.9 91.9 91.9 91.9 91.9 91.9 91.9 91.9
GE 8000 91.9 91.9 91.9 91.9 91.9 91.9 91.9 91.9 91.9 91.9 91.9 91.9 91.9
GE 7000 91.9 91.9 91.9 91.9 91.9 91.9 91.9 91.9 91.9 91.9 91.9 91.9 91.9
GE 6000 93.0 93.0 93.0 93.0 93.0 93.0 93.0 93.0 93.0 93.0 93.0 93.0 93.0

GE 5000 97.8 97.8 97.8 97.8 97.8 97.8 97.8 97.8 97.8 97.8 97.8 97.8 97.8
GE 4500 98.2 98.2 98.2 98.2 98.2 98.2 98.2 98.2 98.2 98.2 98.2 98.2 98.2
GE 4000 98.5 98.5 98.5 98.5 98.5 98.5 98.5 98.5 98.5 98.5 98.5 98.5 98.5
GE 3500 98.5 98.5 98.5 98.5 98.5 98.5 98.5 98.5 98.5 98.5 98.5 98.5 98.5
GE 3000 98.8 98.8 98.8 98.8 98.8 98.8 98.8 98.8 98.8 98.8 98.8 98.8 98.8

GE 2500 98.8 98.8 98.8 98.8 98.8 98.8 98.8 98.8 98.8 98.8 98.8 98.8 98.8
GE 2000 99.4 99.4 99.4 99.4 99.4 99.4 99.4 99.4 99.4 99.4 99.4 99.4 99.4
GE 1800 99.4 99.4 99.4 99.4 99.4 99.4 99.4 99.4 99.4 99.4 99.4 99.4 99.4
GE 1500 99.6 99.6 99.6 99.6 99.6 99.6 99.6 99.6 99.6 99.6 99.6 99.6 99.6
GE 1200 99.6 99.6 99.6 99.6 99.6 99.6 99.6 99.6 99.6 99.6 99.6 99.6 99.6

GE 1000 99.6 99.6 99.6 99.6 99.6 99.6 99.6 99.6 99.6 99.6 99.6 99.6 99.6
GE 900 99.6 99.6 99.6 99.6 99.6 99.6 99.6 99.6 99.6 99.6 99.6 99.6 99.6
GE 800 99.6 99.6 99.6 99.6 99.6 99.6 99.6 99.6 99.6 99.6 99.6 99.6 99.6
GE 700 99.6 99.6 99.6 99.6 99.6 99.6 99.6 99.6 99.6 99.6 99.6 99.6 99.6
GE 600 99.6 99.6 99.6 99.6 99.6 99.6 99.6 99.6 99.6 99.6 99.6 99.6 99.6

GE 500 99.6 99.6 99.6 99.6 99.6 99.6 99.6 99.6 99.6 99.6 99.6 99.6 99.6
GE 400 99.6 99.6 99.6 99.6 99.6 99.6 99.6 99.6 99.6 99.6 99.6 99.6 99.6
GE 300 99.6 99.6 99.6 99.6 99.6 99.6 99.6 99.6 99.6 99.6 99.6 99.6 99.6
GE 200 99.6 99.6 99.6 99.6 99.6 99.6 99.6 99.6 99.6 99.6 99.6 99.6 99.6
GE 100 99.6 99.6 99.6 99.6 99.6 99.6 99.6 99.6 99.6 99.6 99.6 99.6 99.6

GE 0 96.2 99.6 99.6 99.6 99.6 99.6 99.6 99.6 99.6 99.6 99.6 99.6 99.6

TOTAL NUMBER OF OBSERVATIONS: 923

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
USAFETAC FROM HOURLY OBSERVATIONS
AIR WEATHER SERVICE/MAC

STATION NUMBER: 912450 STATION NAME: WAKE ISLAND

PERIOD OF RECORD: 77-86
MONTH: JUN HOURS(LST): ALL

CEILING VISIBILITY IN STATUTE MILES

IN FEET	10	6	5	4	3	2 1/2	2	1 1/2	1 1/4	1	3/4	5/8	1/2	5/16	1/4	0
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NO CLIL	77.9	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
GE 20000	85.6	86.8	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
GE 18000	85.7	86.9	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
GE 16000	85.9	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
GE 14000	86.8	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
GE 12000	87.6	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
GE 10000	88.4	89.7	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
GE 9000	88.5	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
GE 8000	88.8	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
GE 7000	89.1	90.4	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5
GE 6000	90.1	91.7	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
GE 5000	94.2	96.5	96.6	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
GE 4500	94.7	97.2	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
GE 4000	95.5	98.3	98.4	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 3500	95.5	98.3	98.5	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 3000	95.6	98.4	98.6	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 2500	95.6	98.4	98.6	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 2000	95.8	98.7	98.9	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 1800	95.8	98.8	99.0	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 1500	96.0	99.3	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 1200	96.0	99.3	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1000	96.0	99.3	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 900	96.0	99.3	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 800	96.0	99.3	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 700	96.0	99.3	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 600	96.0	99.3	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 500	96.0	99.3	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 400	96.0	99.3	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 300	96.0	99.3	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 200	96.0	99.3	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 100	96.0	99.3	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 0	96.0	99.3	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS: 6429

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WAKE ISLAND

0: 77-86

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VISIBILITY IN STATUTE MILES

GE	GE	GE	GE
1/2	5/16	1/4	6E

75.8	75.8	75.8	75.8
84.6	84.6	84.6	84.6
84.7	84.7	84.7	84.7
84.9	84.9	84.9	84.9
86.8	86.8	86.8	86.8
87.7	87.7	87.7	87.7

89.7	89.7	89.7	89.7
90.2	90.2	90.2	90.2
90.9	90.9	90.9	90.9
90.9	90.9	90.9	90.9
91.5	91.5	91.5	91.5
95.8	95.8	95.8	95.8
95.8	95.8	95.8	95.8
97.1	97.1	97.1	97.1
97.5	97.5	97.5	97.5
98.0	98.0	98.0	98.0

[illegible]

3.0	100.0	100.0	100.0
3.0	100.0	100.0	100.0
3.0	100.0	100.0	100.0
3.0	100.0	100.0	100.0
3.0	100.0	100.0	100.0

100.0	100.0	100.0	100.0
100.0	100.0	100.0	100.0

848

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 912450 STATION NAME: MAKE ISLAND

PERIOD OF RECORD: 77-85
MONTH: JUL HOURS(IST): 0300-0500

CEILING IN FEET VISIBILITY IN STATUTE MILES

	10	6	5	4	3	2 1/2	2	1 1/2	1 1/4	1	3/4	5/8	1/2	5/16	1/4	0
NO CLIL	72.4	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
GE 20000	67.9	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
GE 18000	61.3	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
GE 16000	82.2	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
GE 14000	83.7	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
GE 12000	84.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
GE 10000	84.9	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
GE 9000	84.9	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
GE 8000	65.4	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
GE 7000	85.6	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
GE 6000	85.7	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
GE 5000	88.8	95.1	95.3	95.3	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
GE 4000	88.8	95.1	95.3	95.3	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
GE 4000	89.1	96.2	96.5	96.5	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
GE 3500	89.1	96.5	96.8	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
GE 3000	89.6	97.4	97.6	97.6	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
GE 2500	89.7	97.6	97.9	97.9	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 2000	90.3	98.7	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 1800	90.6	99.0	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 1500	90.6	99.4	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1200	90.6	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	90.6	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	90.6	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	90.6	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	90.6	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	90.6	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	90.6	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	90.6	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	90.6	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	90.6	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	90.6	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 0	90.6	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 680

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 912450 STATION NAME: MAKE ISLAND

PERIOD OF RECORD: 77-86
MONTH: JUL HOURS(IST): 0900-1100

CEILING IN FEET VISIBILITY IN STATUTE MILES

	10	6	5	4	3	2	1 1/2	1	3/4	5/8	1/2	5/16	1/4	0
NO CEIL	74.2	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
GE 20000	83.2	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
GE 18000	83.6	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
GE 16000	83.9	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
GE 14000	86.6	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
GE 12000	88.7	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
GE 10000	91.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
GE 9000	91.3	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
GE 8000	91.7	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
GE 7000	92.0	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
GE 6000	92.7	94.1	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
GE 5000	95.4	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
GE 4500	95.4	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
GE 4000	95.7	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
GE 3500	95.8	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 3000	96.1	98.3	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
GE 2500	96.3	98.5	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 2000	96.9	99.2	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 1800	97.1	99.4	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 1500	97.2	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1200	97.2	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1000	97.2	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 900	97.2	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 800	97.2	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 700	97.2	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 600	97.2	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 500	97.2	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 400	97.2	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 300	97.2	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 200	97.2	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 100	97.2	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 0	97.2	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS: 804

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
 USAFETAC FROM HOURLY OBSERVATIONS
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 912450 STATION NAME: WAKE ISLAND

PERIOD OF RECORD: 77-86
 MONTH: JUL HOURS(IST): 1200-1400

CEILING VISIBILITY IN STATUTE MILES

IN	10	6	5	4	3	2	1 1/2	1	3/4	5/8	1/2	5/16	1/4	0
FEET	10	6	5	4	3	2	1 1/2	1	3/4	5/8	1/2	5/16	1/4	0
NO CEIL	71.1	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
GE 20000	83.9	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
GE 18000	84.9	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
GE 16000	85.6	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
GE 14000	88.8	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
GE 12000	89.9	90.6	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
GE 10000	91.9	92.6	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
GE 9000	92.2	93.0	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
GE 8000	92.3	93.1	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
GE 7000	92.4	93.2	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
GE 6000	93.3	94.2	94.4	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
GE 5000	96.6	97.7	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 4500	96.7	98.0	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 4000	97.5	98.9	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 3500	97.5	98.9	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 3000	97.5	98.9	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 2500	97.5	99.0	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 2000	97.5	99.2	99.4	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1800	97.5	99.2	99.4	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1500	97.5	99.2	99.4	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1200	97.5	99.2	99.4	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1000	97.5	99.2	99.4	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 900	97.5	99.2	99.4	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 800	97.5	99.2	99.4	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 700	97.5	99.2	99.4	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 600	97.5	99.2	99.4	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 500	97.5	99.2	99.4	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 400	97.5	99.2	99.4	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 300	97.5	99.2	99.4	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 200	97.5	99.2	99.4	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 100	97.5	99.2	99.4	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 0	97.5	99.2	99.4	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS: 881

PERIOD OF RECORD: 77-86
MONTH: JUL HOURS(LST): 1500-1700

STATION NUMBER: 912450 STATION NAME: WAKE ISLAND

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VISIBILITY IN STATUTE MILES

FFFF	10	6	5	4	3	2	1	1/2	1	3/4	5/8	1/2	5/16	1/4	0
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[illegible][illegible]

16000	83.6	83.6	83.6	83.6	83.6	83.6	83.6
3	83.6	83.6	83.6	83.6	83.6	83.6	83.6

[illegible][illegible][illegible][illegible]

Year	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100
1990	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100

[illegible]

1. **Introduction**

[illegible][illegible][illegible][illegible][illegible][illegible][illegible]

68	97.5	99.3	99.6	99.8	100.0	100.0	100.0	100.0
69	97.5	99.3	99.6	99.8	100.0	100.0	100.0	100.0

[illegible]

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

STATION NUMBER: 912450 STATION NAME: WAKE ISLAND
PERIOD OF RECORD: 77-86
MONTH: JUL HOURS(LST): 1800-2000

CEILING		VISIBILITY IN STATUTE MILES																
IN	FEET	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
		10	6	5	4	3	2	1 1/2	1	1/4	1	3/4	5/8	1/2	5/16	1/4		0
NO	CTL	65.9	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
GE	20000	80.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
GE	18000	80.7	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
GE	16000	81.3	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
GE	14000	84.4	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
GE	12000	86.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
GE	10000	89.0	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
GE	9000	89.4	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
GE	8000	89.7	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
GE	7000	90.2	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
GE	6000	91.1	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
GE	5000	93.2	95.9	95.9	95.9	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
GE	4500	94.4	97.1	97.1	97.1	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
GE	4000	95.0	98.2	98.2	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE	3500	95.0	98.2	98.2	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE	3000	95.0	98.2	98.2	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE	2500	95.0	98.2	98.2	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE	2000	95.4	98.8	98.8	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE	1800	95.4	98.8	98.8	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE	1600	95.4	99.0	99.2	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE	1400	95.4	99.0	99.2	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE	1200	95.4	99.0	99.2	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE	1000	95.4	99.0	99.2	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE	800	95.4	99.0	99.2	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE	600	95.4	99.0	99.2	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE	500	95.4	99.0	99.2	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE	400	95.4	99.0	99.2	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE	300	95.4	99.0	99.2	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE	200	95.4	99.0	99.2	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE	100	95.4	99.0	99.2	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE	0	95.4	99.0	99.2	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6

TOTAL NUMBER OF OBSERVATIONS: 239

GLOBAL CLIMATE LOG BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
 USAFETAC FROM HOURLY OBSERVATIONS
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 912450 STATION NAME: MAKE ISLAND

PERIOD OF RECORD: 77-86
 MONTH: JUL HOURS(IST): 2100-2300

CEILING IN FEET VISIBILITY IN STATUTE MILES

CEILING IN FEET	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	76.5	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2
GE 2000	83.8	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
GE 1800	83.8	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
GE 1600	84.1	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
GE 1400	86.4	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
GE 1200	87.5	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
GE 1000	89.1	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
GE 900	89.3	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
GE 800	89.6	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
GE 700	89.8	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
GE 600	90.3	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
GE 500	92.2	96.6	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
GE 450	92.7	97.0	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
GE 400	92.9	97.6	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
GE 350	92.9	97.8	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
GE 300	93.0	97.9	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
GE 250	93.0	97.9	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
GE 200	93.2	98.5	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 180	93.2	98.5	98.6	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 150	93.3	98.7	98.9	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 120	93.3	98.9	99.2	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 100	93.3	98.9	99.4	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 90	93.3	98.9	99.4	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 80	93.3	98.9	99.4	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 70	93.3	98.9	99.4	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 60	93.3	98.9	99.4	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 50	93.3	98.9	99.4	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 40	93.3	98.9	99.4	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 30	93.3	98.9	99.4	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 20	93.3	98.9	99.4	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 10	93.3	98.9	99.4	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS: P47

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 912450 STATION NAME: MAKE ISLAND

PERIOD OF RECORD: 77-86
MONTH: JUL HOURS(LST): ALL

VISIBILITY IN STATUTE MILES

CEILING IN FEET	10	6	5	4	3	2	1 1/2	1	3/4	5/8	1/2	5/16	1/4	GE
CEILING	10	6	5	4	3	2	1 1/2	1	3/4	5/8	1/2	5/16	1/4	GE

NO	CEIL	71.4	72.5	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
GE	2600	83.6	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
GE	1800	84.0	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
GE	1600	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
GE	1400	85.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
GE	1200	86.7	88.6	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
GE	1000	88.8	91.3	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
GE	800	89.2	91.7	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
GE	600	89.5	92.2	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
GE	400	89.8	92.5	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
GE	200	90.4	93.2	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
GE	100	93.2	96.4	96.6	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
GE	500	93.5	96.8	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
GE	400	94.0	97.6	97.9	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
GE	300	94.1	97.8	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE	200	94.2	98.1	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE	100	94.3	98.2	98.4	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE	500	94.6	98.6	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE	400	94.6	98.7	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE	300	94.8	99.0	99.4	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE	200	94.8	99.1	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE	100	94.8	99.1	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE	500	94.8	99.1	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE	400	94.8	99.1	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE	300	94.8	99.1	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE	200	94.8	99.1	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE	100	94.8	99.1	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE	0	94.8	99.1	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS: 6569

GLOBAL CLIMATOLOGY BRANCH
USAF/CIAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 912450 STATION NAME: WAKE ISLAND

PERIOD OF RECORD: 77-86
MONTH: AUG HOURS(LST): 0300-0500

CEILING VISIBILITY IN STATUTE MILES

IN FEET	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	66.8	70.0	70.1	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
GE 20000	70.8	74.1	74.3	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
GE 18000	70.9	74.2	74.5	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
GE 16000	71.8	75.3	75.5	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
GE 14000	72.1	75.7	75.9	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
GE 12000	72.8	77.2	77.5	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6
GE 10000	75.0	81.4	82.0	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
GE 9000	75.0	81.7	82.2	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
GE 8000	76.3	83.9	84.5	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
GE 7000	76.4	84.3	84.9	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
GE 6000	77.2	85.4	85.9	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
GE 5000	81.4	90.3	90.9	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
GE 4500	81.4	90.3	90.9	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
GE 4000	82.2	92.1	92.9	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
GE 3500	82.2	92.4	93.2	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
GE 3000	82.4	93.2	94.1	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
GE 2500	82.5	93.4	94.3	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
GE 2000	83.3	94.5	95.9	96.2	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
GE 1800	83.3	94.5	95.9	96.2	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
GE 1500	83.7	96.3	97.8	98.2	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 1200	83.7	96.6	98.0	98.6	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 1000	83.7	96.7	98.2	98.8	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 900	83.7	96.7	98.2	98.8	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 800	83.7	96.7	98.2	98.8	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 700	83.7	96.7	98.2	98.8	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 600	83.7	96.7	98.2	98.8	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 500	83.7	96.7	98.2	98.8	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 400	83.7	96.7	98.2	98.8	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 300	83.7	96.7	98.2	98.8	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 200	83.7	96.7	98.2	98.8	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 100	83.7	96.7	98.2	98.8	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 0	83.7	96.7	98.2	98.8	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2

TOTAL NUMBER OF OBSERVATIONS: 760

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
USAFETAL FROM HOURLY OBSERVATIONS
AIR WEATHER SERVICE/MAC

STATION NUMBER: 912450 STATION NAME: WAKE ISLAND

PERIOD OF RECORD: 77-86
MONTH: AUG HOURS(LST): 0600-0800

CEILING IN FEET VISIBILITY IN STATUTE MILES

	10	6	5	4	3	2	1 1/2	1 1/4	1	3/4	5/8	1/2	5/16	1/4	0
NO CEIL	61.9	63.1	63.1	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
GE 2000	69.7	71.8	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
GE 1800	70.2	72.2	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
GE 1600	70.9	73.1	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
GE 1400	72.5	74.9	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
GE 1200	73.9	76.6	77.0	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
GE 1000	77.4	81.0	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5
GE 900	78.4	82.1	82.5	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
GE 800	79.5	83.4	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
GE 700	80.1	84.6	85.1	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
GE 600	81.4	85.9	86.4	86.5	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
GE 500	85.3	90.8	91.7	91.8	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
GE 450	85.9	91.5	92.4	92.5	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
GE 400	86.8	93.0	93.9	94.0	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
GE 300	86.8	94.2	94.4	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
GE 300	86.8	94.2	95.1	95.4	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
GE 250	86.9	94.3	95.2	95.5	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
GE 200	86.9	94.4	95.6	95.8	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
GE 180	87.0	94.5	95.7	95.9	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
GE 150	87.2	95.5	96.7	96.9	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
GE 120	87.2	95.7	97.0	97.5	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE 100	87.4	96.1	97.5	98.0	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 80	87.4	96.1	97.5	98.0	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 60	87.4	96.1	97.5	98.0	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 40	87.4	96.1	97.5	98.0	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 20	87.4	96.1	97.5	98.0	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 0	87.4	96.1	97.5	98.0	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9

TOTAL NUMBER OF OBSERVATIONS: 839

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
USAFETAC FROM HOURLY OBSERVATIONS
AIR WEATHER SERVICE/MAC

STATION NUMBER: 912450 STATION NAME: WAKE ISLAND PERIOD OF RECORD: 77-86 MONTH: AUG HOURS(IST): 0900-1100

CEILING VISIBILITY IN STATUTE MILES

	10	6	5	4	3	2	1 1/2	1	3/4	5/8	1/2	5/16	1/4	0
NO CEIL	59.6	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
CE 20000	71.3	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8
CE 18000	71.9	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
CE 16000	73.1	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
CE 14000	76.0	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5
CE 12000	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
CE 10000	82.2	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
CE 9000	82.8	85.7	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
CE 8000	83.9	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
CE 7000	84.7	87.8	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
CE 6000	85.4	88.5	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
CE 5000	88.1	91.8	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
CE 4000	88.8	92.9	93.2	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
CE 3000	89.3	94.3	95.0	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
CE 2000	89.3	94.4	95.1	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
CE 1000	89.3	95.4	96.3	96.6	96.7	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
CE 900	89.3	95.4	96.3	96.6	96.7	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
CE 800	89.5	95.8	96.6	97.3	97.4	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
CE 700	89.6	95.9	96.7	97.4	97.5	97.5	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
CE 600	89.9	96.6	97.4	98.1	98.5	98.5	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
CE 500	89.9	96.7	97.7	98.4	98.8	98.8	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
CE 400	89.9	96.6	97.9	98.6	99.3	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
CE 300	89.9	96.8	97.9	98.6	99.3	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
CE 200	89.9	96.8	97.9	98.6	99.3	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
CE 100	89.9	96.6	97.9	98.6	99.3	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
CE 0	89.9	96.8	97.9	98.6	99.3	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6

TOTAL NUMBER OF OBSERVATIONS: 854

GLOBAL CLIMATOLOGY BRANCH
USAF/CLTAC
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 912450 STATION NAME: WAKE ISLAND

PERIOD OF RECORD: 77-86
MONTH: AUG HOURS(IST): 1200-1400

VISIBILITY IN STATUTE MILES

CEILING IN FEET	10	6	5	4	3	2 1/2	2	1 1/2	1 1/4	1	3/4	5/8	1/2	5/16	1/4	0
GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE

NO CEIL	57.0	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
GE 20000	70.6	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
GE 18000	71.4	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
GE 16000	72.3	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
GE 14000	77.0	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1
GE 12000	79.0	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5
GE 10000	82.8	86.1	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
GE 9000	83.7	87.1	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
GE 8000	84.5	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
GE 7000	84.9	88.5	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
GE 6000	85.5	89.1	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
GE 5000	87.5	91.2	91.8	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
GE 4000	88.0	91.8	92.5	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
GE 4000	88.4	93.0	94.0	94.2	94.3	94.3	94.3	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
GE 3000	88.4	93.4	94.6	94.9	95.1	95.1	95.1	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
GE 2500	88.4	93.4	94.6	94.9	95.2	95.2	95.2	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
GE 2000	88.6	93.6	95.1	95.3	95.8	95.8	95.8	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
GE 1800	88.8	93.8	95.3	95.6	96.0	96.0	96.0	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
GE 1500	89.1	94.8	96.7	96.9	97.5	97.5	97.5	97.8	98.1	98.1	98.4	98.4	98.4	98.4	98.4	98.4
GE 1200	89.1	94.9	96.8	97.0	97.7	97.7	97.7	98.1	98.3	98.3	98.6	98.6	98.6	98.6	98.6	98.6
GE 1000	89.2	95.4	97.4	98.1	98.9	98.9	98.9	99.3	99.5	99.5	99.9	99.9	99.9	99.9	99.9	99.9
GE 900	89.2	95.4	97.4	98.1	98.9	98.9	98.9	99.3	99.5	99.5	99.9	99.9	99.9	99.9	99.9	99.9
GE 800	89.2	95.4	97.4	98.1	98.9	98.9	98.9	99.3	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	89.2	95.4	97.4	98.1	98.9	98.9	98.9	99.3	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	89.2	95.4	97.4	98.1	98.9	98.9	98.9	99.3	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	89.2	95.4	97.4	98.1	98.9	98.9	98.9	99.3	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	89.2	95.4	97.4	98.1	98.9	98.9	98.9	99.3	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	89.2	95.4	97.4	98.1	98.9	98.9	98.9	99.3	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	89.2	95.4	97.4	98.1	98.9	98.9	98.9	99.3	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	89.2	95.4	97.4	98.1	98.9	98.9	98.9	99.3	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0
GE 0	89.2	95.4	97.4	98.1	98.9	98.9	98.9	99.3	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 877

GLOBAL CLIMATOLOGY BRANCH
USAF/TAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 912450 STATION NAME: WAKE ISLAND

PERIOD OF RECORD: 77-86
MONTH: AUG HOURS(IST): 1500-1700

VISIBILITY IN STATUTE MILES

CEILING IN FEET	10	6	5	4	3	2 1/2	2	1 1/2	1 1/4	1	3/4	5/8	1/2	5/16	1/4	0
NO CEIL	53.4	54.0	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
GE 20000	70.6	71.8	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
GE 18000	71.4	72.6	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
GE 16000	72.3	73.5	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
GE 14000	77.0	78.5	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
GE 12000	79.1	80.9	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
GE 10000	83.2	85.8	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
GE 8000	84.8	87.5	87.7	87.7	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
GE 7000	85.5	88.4	88.7	88.8	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
GE 6000	86.7	90.1	90.3	90.5	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
GE 5000	88.3	91.9	92.3	92.4	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
GE 4500	88.7	92.3	92.6	92.9	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
GE 4000	89.3	93.4	93.8	94.0	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
GE 3500	89.3	94.2	94.9	95.1	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
GE 2500	89.3	94.2	94.9	95.1	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
GE 2000	89.6	94.8	95.7	95.8	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
GE 1800	89.6	94.9	95.8	95.9	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
GE 1500	90.0	95.8	96.7	96.9	97.7	97.7	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
GE 1200	90.2	96.1	97.2	97.3	98.2	98.2	98.4	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 1000	90.5	96.6	97.8	97.9	99.3	99.3	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	90.5	96.6	97.8	97.9	99.3	99.3	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	90.5	96.6	97.8	97.9	99.3	99.3	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	90.5	96.6	97.8	97.9	99.3	99.3	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	90.5	96.6	97.8	97.9	99.3	99.3	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	90.5	96.6	97.8	97.9	99.3	99.3	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	90.5	96.6	97.8	97.9	99.3	99.3	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	90.5	96.6	97.8	97.9	99.3	99.3	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	90.5	96.6	97.8	97.9	99.3	99.3	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	90.5	96.6	97.8	97.9	99.3	99.3	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 0	90.5	96.6	97.6	97.9	99.3	99.3	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 829

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 912450 STATION NAME: WAKE ISLAND

PERIOD OF RECORD: 77-86
MONTH: AUG HOURS(LST): 1800-2000

VISIBILITY IN STATUTE MILES

CEILING IN FEET	1	GE	2	GE	3	GE	4	5	6	10	GE	1 1/2	1 1/4	1	3/4	5/8	1/2	5/16	1/4	0
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NO CEIL	52.3	53.2	53.5	53.5	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
GE 20000	69.0	71.3	71.6	71.6	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
GE 18000	69.2	71.5	71.8	71.8	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
GE 16000	69.3	71.6	72.0	72.0	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
GE 14000	74.2	76.5	76.9	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
GE 12000	76.8	79.7	80.0	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
GE 10000	80.1	83.3	83.6	83.6	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
GE 9000	80.8	84.0	84.3	84.3	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
GE 8000	81.7	86.0	86.3	86.3	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
GE 7000	82.5	86.8	87.1	87.1	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
GE 6000	83.8	88.1	88.4	88.4	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
GE 5000	86.8	91.8	92.5	92.5	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
GE 4000	86.9	91.9	92.6	92.6	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
GE 3000	87.7	93.5	94.3	94.3	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
GE 2500	87.9	94.0	95.0	95.0	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
GE 2000	87.9	94.0	95.0	95.0	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
GE 1800	88.3	95.0	95.9	95.9	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
GE 1600	88.7	96.0	97.2	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
GE 1400	88.7	96.6	98.0	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 1200	88.7	96.8	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 1000	88.7	96.8	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 900	88.7	96.8	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 800	88.7	96.8	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 700	88.7	96.8	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 600	88.7	96.8	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 500	88.7	96.8	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 400	88.7	96.8	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 300	88.7	96.8	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 200	88.7	96.8	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 100	88.7	96.8	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 0	88.7	96.8	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS: 856

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
USAFETAC FROM HOURLY OBSERVATIONS

AIR WEATHER SERVICE/MAC

STATION NUMBER: 912450 STATION NAME: WAKE ISLAND

PERIOD OF RECORD: 77-86
MONTH: AUG HOURS(LST): 2100-2300

CEILING VISIBILITY IN STATUTE MILES

CEILING IN FEET	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	63.7	67.0	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
GE 20000	72.1	77.1	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
GE 18000	72.1	77.1	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
GE 16000	72.3	77.3	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
GE 14000	75.7	81.0	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
GE 12000	76.5	83.1	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
GE 10000	78.7	85.6	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
GE 9000	79.3	86.3	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
GE 8000	79.7	87.8	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
GE 7000	80.6	88.8	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
GE 6000	80.8	89.0	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
GE 5000	82.9	91.6	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
GE 4500	83.1	91.8	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
GE 4000	84.0	93.6	94.4	94.4	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
GE 3500	84.0	93.8	94.8	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
GE 3000	84.5	94.2	95.3	95.3	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
GE 2500	84.5	94.2	95.3	95.3	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
GE 2000	84.5	94.7	95.7	95.7	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
GE 1800	84.5	94.7	95.7	95.7	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
GE 1500	84.7	95.8	97.2	97.2	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GE 1200	84.7	95.8	97.6	97.9	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 1000	84.8	96.1	98.0	98.4	99.0	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 900	84.8	96.1	98.1	98.5	99.1	99.1	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 800	84.8	96.1	98.3	98.6	99.3	99.3	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 700	84.8	96.1	98.3	98.6	99.3	99.3	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 600	84.8	96.1	98.3	98.6	99.3	99.3	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 500	84.8	96.1	98.3	98.6	99.3	99.3	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 400	84.8	96.1	98.3	98.6	99.3	99.3	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 300	84.8	96.1	98.3	98.6	99.3	99.3	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 200	84.8	96.1	98.3	98.6	99.3	99.3	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 100	84.8	96.1	98.3	98.6	99.3	99.3	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 0	84.8	96.1	98.3	98.6	99.3	99.3	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS: 864

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

STATION NUMBER: 912450 STATION NAME: WAKE ISLAND

PERIOD OF RECORD: 77-86
MONTH: AUG HOURS(LST): ALL

CEILING
.....
VISIBILITY IN STATUTE MILES

	VELOCITY IN STADIUM MILES					
	GE	GE	GE	GE	GE	GE
IN	6	5	4	3	2 1/2	2
FLEET	10	10	9	8	7 1/2	7

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E	2500	86.5	94.0	94.9	95.1	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
F	2000	86.8	94.5	95.6	95.9	96.2	96.2	96.2	96.2	96.3	96.3	96.3	96.3
F	1800	86.8	94.6	95.7	95.9	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
F	1500	87.2	95.7	97.0	97.2	97.7	97.7	97.7	97.7	97.9	98.0	98.0	98.0
F	1200	87.2	95.9	97.4	97.8	98.3	98.3	98.5	98.5	98.6	98.6	98.6	98.6

1000	87.3	96.2	97.6	98.3	99.1	99.6	99.7	99.7	99.8	99.8	99.9	99.9	99.9
900	87.3	97.3	97.9	98.3	99.1	99.6	99.7	99.7	99.8	99.8	99.9	99.9	99.9
800	87.3	96.2	97.9	96.3	99.1	99.7	99.7	99.7	99.9	99.9	100.0	100.0	100.0
700	87.3	96.2	97.9	98.3	99.1	99.7	99.7	99.7	99.9	99.9	100.0	100.0	100.0
600	87.3	96.2	97.9	98.3	99.1	99.7	99.7	99.7	99.9	99.9	100.0	100.0	100.0

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TOTAL NUMBER OF OBSERVATIONS: 6782

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
USAFETAC FROM HOURLY OBSERVATIONS
AIR WEATHER SERVICE/MAC

STATION NUMBER: 912450 STATION NAME: WAKE ISLAND PERIOD OF RECORD: 77-86
MONTH: SEP HOURS: 0000-0200

CEILING VISIBILITY IN STATUTE MILES

IN FEET	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	74.3	79.9	80.0	81.0	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
GE 20000	80.0	88.1	88.2	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
GE 18000	80.3	88.4	88.5	88.5	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
GE 16000	80.5	88.7	88.7	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
GE 14000	81.1	89.5	89.6	89.6	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
GE 12000	81.2	90.0	90.1	90.1	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
GE 10000	82.8	91.9	92.0	92.0	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
GE 9000	82.9	92.0	92.2	92.2	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
GE 8000	83.2	92.9	93.0	93.0	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
GE 7000	83.2	92.9	93.0	93.0	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
GE 6000	83.2	93.1	93.2	93.2	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
GE 5000	84.8	95.4	95.5	95.5	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
GE 4500	84.9	95.9	96.0	96.0	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
GE 4000	86.2	97.8	98.1	98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 3500	86.5	97.9	98.1	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 3000	86.5	98.1	98.2	98.4	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 2500	86.5	98.1	98.2	98.4	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 2000	86.5	98.2	98.3	98.6	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 1800	86.5	98.2	98.3	98.6	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 1500	86.7	98.8	99.0	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 1200	86.7	98.8	99.2	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	86.7	98.8	99.2	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	86.7	98.8	99.2	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	86.7	98.8	99.2	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	86.7	98.8	99.2	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	86.7	98.8	99.2	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	86.7	98.8	99.2	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	86.7	98.8	99.2	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	86.7	98.8	99.2	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	86.7	98.8	99.2	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	86.7	98.8	99.2	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 0	86.7	98.8	99.2	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 829

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
 USAF/TAC FROM HOURLY OBSERVATIONS
 AIR WEATHER SERVICE/HAC

STATION NUMBER: 912450 STATION NAME: MAKE ISLAND

PERIOD OF RECORD: 77-86
 MONTH: SEP HOURS(IST): 0300-0500

VISIBILITY IN STATUTE MILES

CEILING	10	6	5	4	3	2 1/2	2	1 1/2	1 1/4	1	3/4	5/8	1/2	5/16	1/4	0
NO CEIL	75.6	82.6	82.6	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
GE 20000	80.8	90.1	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
GE 18000	80.8	90.1	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
GE 16000	80.8	90.2	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5
GE 14000	81.3	90.8	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
GE 12000	81.5	91.1	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
GE 10000	82.7	92.7	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
GE 9000	82.8	92.9	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
GE 8000	83.1	93.9	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
GE 7000	83.1	93.9	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
GE 6000	83.4	94.3	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
GE 5000	84.5	96.7	97.1	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
GE 4500	85.1	97.2	97.6	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
GE 4000	85.8	98.0	98.5	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 3500	85.8	98.0	98.5	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 3000	85.8	98.0	98.5	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 2500	85.8	98.0	98.5	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 2000	85.9	98.3	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 1800	85.9	98.6	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 1600	85.9	98.6	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 1400	85.9	98.6	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 1200	85.9	98.6	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 1000	85.9	98.6	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 900	85.9	98.6	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 800	85.9	98.6	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 700	85.9	98.6	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 600	85.9	98.6	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 500	85.9	98.6	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 400	85.9	98.6	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 300	85.9	98.6	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 200	85.9	98.6	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 100	85.9	98.6	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 0	85.9	98.6	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS: 717

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY FROM HOURLY OBSERVATIONS

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

STATION NUMBER: 912450 STATION NAME: WAKE ISLAND

CEILING.....
VISIBILITY IN STATUTE MILES

FELT	10	6	5	4	3	2	1/2	2	1	1/2	1	1/4	1	3/4	5/8	1/2	5/16	1/4	0
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Year	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100
1990	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100

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	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
1	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100

[illegible][illegible][illegible]

7.000	0.001	6.66	6.66	6.66	6.66	6.66	6.66	9.56	9.66	8.86	1.96	107,
7.001	0.001	6.66	6.66	6.66	6.66	6.66	6.66	9.56	9.66	8.86	1.96	107,

	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61
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TOTAL NUMBER OF OBSERVATIONS: 220

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 912450 STATION NAME: WAKE ISLAND

PERIOD OF RECORD: 77-86
MONTH: SEP HOURS(UT): 1200-1400

CEILING IN FEET VISIBILITY IN STATUTE MILES

	10	6	5	4	3	2 1/2	2	1 1/2	1 1/4	1	3/4	5/8	1/2	5/16	1/4	0
NO CEIL	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
GE 20000	87.1	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
GE 18000	87.2	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
GE 16000	88.2	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
GE 14000	89.8	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
GE 12000	91.6	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
GE 10000	92.1	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
GE 9000	92.3	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
GE 8000	92.7	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
GE 7000	92.9	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
GE 6000	92.9	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
GE 5000	94.7	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
GE 4500	95.0	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
GE 4000	96.1	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
GE 3500	96.1	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
GE 3000	96.1	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
GE 2500	96.1	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
GE 2000	96.8	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 1800	96.8	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 1600	97.1	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 1500	97.1	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 1200	97.1	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 1000	97.1	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 900	97.1	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 800	97.1	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 700	97.1	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 600	97.1	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 500	97.1	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 400	97.1	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 300	97.1	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 200	97.1	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 100	97.1	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 0	97.1	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0

TOTAL NUMBER OF OBSERVATIONS: 836

STATION NUMBER: 912450 STATION NAME: WAKE ISLAND

PERIOD OF RECORD: 77-86
MONTH: SEP HOURS(LST): 1500-1700

..... V I S I B I L I T Y I N S T A T U T E M I L E S

BUILDING IN FEET		VISIBILITY IN MINUTE HOURS																	
		GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0		
NO CEIL		70.5	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7		
GE	20000	84.3	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7		
GE	18000	84.7	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2		
GE	16000	85.5	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0		
GE	14000	88.4	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9		
GE	12000	89.9	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4		
GE	10000	90.7	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4		
GE	9000	91.1	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9		
GE	8000	91.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5		
GE	7000	91.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9		
GE	6000	92.1	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2		
GE	5000	94.1	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5		
GE	4500	94.2	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8		
GE	4000	94.5	96.7	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9		
GE	3500	94.6	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0		
GE	3000	95.0	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5		
GE	2500	95.0	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5		
GE	2000	95.8	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7		
GE	1800	95.8	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8		
GE	1500	95.9	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2		
GE	1200	95.9	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2		
GE	1000	95.9	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2		
GE	900	95.9	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2		
GE	800	95.9	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2		
GE	700	95.9	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2		
GE	600	95.9	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2		
GE	500	95.9	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2		
GE	400	95.9	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2		
GE	300	95.9	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2		
GE	200	95.9	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2		
GE	100	95.9	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2		
GE	0	95.9	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2		

TOTAL NUMBER OF OBSERVATIONS: 764

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
 USAFETAC FROM HOURLY OBSERVATIONS
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 912450 STATION NAME: WAKE ISLAND PERIOD OF RECORD: 77-86
 MONTH: SEP HOURS(UT): 1800-2000

CEILING VISIBILITY IN STATUTE MILES

FEET	10	6	5	4	3	2 1/2	2	1 1/2	1 1/4	1	3/4	5/8	1/2	5/16	1/4	0
NO CEIL	73.1	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
GE 20000	86.9	88.3	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
GE 18000	87.5	88.9	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
GE 16000	88.7	90.3	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
GE 14000	90.8	92.4	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
GE 12000	90.9	92.6	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
GE 10000	92.0	94.1	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
GE 9000	92.0	94.1	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
GE 8000	92.0	94.4	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
GE 7000	92.4	94.8	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
GE 6000	92.5	95.0	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
GE 5000	94.4	97.1	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
GE 4000	94.6	97.5	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 3500	94.6	97.5	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 3000	94.8	97.8	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 2500	94.8	97.8	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 2000	95.1	98.6	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 1800	95.1	98.6	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 1500	95.3	98.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 1200	95.3	98.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 1000	95.3	98.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 900	95.3	98.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 800	95.3	98.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 700	95.3	98.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 600	95.3	98.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 500	95.3	98.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 400	95.3	98.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 300	95.3	98.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 200	95.3	98.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 100	95.3	98.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 0	95.3	96.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS: 802

PERIOD OF RECORD: 77-86
MONTH: SEP HOURS(LSY): 2100-2300

STATION NUMBER: 912450 STATION NAME: WAKE ISLAND

VISIBILITY IN STATUTE MILES

[illegible]

TOTAL NUMBER OF OBSERVATIONS: 246

GLOBAL CLIMATOLOGY BRANCH
USAF/CLAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 912450 STATION NAME: WAKE ISLAND PERIOD OF RECORD: 77-86
MONTH: OCT HOURS(LST): 0000-0200

CEILING IN FEET VISIBILITY IN STATUTE MILES

	10	6	5	4	3	2 1/2	2	1 1/2	1 1/4	1	3/4	5/8	1/2	5/16	1/4	0
NO CEIL	74.3	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.6	77.6	77.6	77.6	77.6
UF 20000	78.7	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.6	82.6	82.6	82.6	82.6
GE 18000	79.5	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.4	83.4	83.4	83.4	83.4
GE 16000	79.9	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.8	83.8	83.8	83.8	83.8
GE 14000	80.9	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.9	84.9	84.9	84.9	84.9
GE 12000	81.7	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.7	85.7	85.7	85.7	85.7
GE 10000	83.6	88.0	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.4	88.4	88.4	88.4	88.4
GE 9000	84.0	88.5	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.9	88.9	88.9	88.9	88.9
GE 8000	84.3	88.9	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.2	89.2	89.2	89.2	89.2
GE 7000	84.5	89.1	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.5	89.5	89.5	89.5	89.5
GE 6000	85.9	90.5	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.9	90.9	90.9	90.9	90.9
GE 5000	89.7	95.1	95.4	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.6	95.6	95.6	95.6	95.6
GE 4500	89.9	95.6	96.0	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.2	96.2	96.2	96.2	96.2
GE 4000	90.3	96.3	96.8	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.2	97.2	97.2	97.2	97.2
GE 3500	90.3	96.3	96.6	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.2	97.2	97.2	97.2	97.2
GE 3000	90.8	97.0	97.6	97.8	97.9	97.9	97.9	97.9	97.9	97.9	97.9	98.0	98.0	98.0	98.0	98.0
GE 2000	90.8	97.0	97.6	97.8	97.9	97.9	97.9	97.9	97.9	97.9	97.9	98.0	98.0	98.0	98.0	98.0
GE 2000	90.8	97.0	97.6	97.8	97.9	97.9	97.9	97.9	97.9	97.9	97.9	98.0	98.0	98.0	98.0	98.0
GE 1800	90.8	97.0	97.6	97.8	97.9	97.9	97.9	97.9	97.9	97.9	97.9	98.0	98.0	98.0	98.0	98.0
GE 1500	91.8	98.2	99.2	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.9	99.9	99.9	99.9	99.9
GE 1200	91.8	98.3	99.3	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0
GE 1000	91.8	98.3	99.3	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0
GE 800	91.8	98.3	99.3	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0
GE 600	91.8	98.3	99.3	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0
GE 400	91.8	98.3	99.3	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0
GE 300	91.8	98.3	99.3	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0
GE 200	91.8	98.3	99.3	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0
GE 100	91.8	98.3	99.3	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0
GE	91.8	98.3	99.3	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 845

STATION NUMBER: 912450 STATION NAME: WAKE ISLAND
PERIOD OF RECORD: 77-86
MONTH: OCT HOURS(LST): 0300-0500

CELLING.....VISIBILITY IN STATUTE MILES

[illegible]

TOTAL NUMBER OF OBSERVATIONS: 620

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
USAFETAC FROM HOURLY OBSERVATIONS
AIR WEATHER SERVICE/MAC

STATION NUMBER: 912450 STATION NAME: WAKE ISLAND

PERIOD OF RECORD: 77-86
MONTH: OCT HOURS(1ST): 0600-0800

CEILING VISIBILITY IN STATUTE MILES

IN FEET	10	6	5	4	3	2 1/2	2	1 1/2	1 1/4	1	3/4	5/8	1/2	5/16	1/4	0
NO CEIL	74.2	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
GE 20000	80.3	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
GE 18000	80.7	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
GE 16000	81.1	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
GE 14000	81.7	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
GE 12000	82.8	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
GE 10000	84.3	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5
GE 9000	84.7	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
GE 8000	84.9	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
GE 7000	84.9	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
GE 6000	85.3	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
GE 5000	88.8	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
GE 4000	89.6	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
GE 3000	90.7	95.7	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
GE 2500	90.7	96.0	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
GE 2000	90.7	96.0	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
GE 1800	91.3	97.0	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GE 1600	91.7	97.4	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
GE 1400	92.2	98.2	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 1200	92.2	98.5	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 1000	92.2	98.7	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 900	92.2	98.7	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 800	92.2	98.7	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 700	92.2	98.7	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 600	92.2	98.7	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 500	92.2	98.7	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 400	92.2	98.7	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 300	92.2	98.7	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 200	92.2	98.7	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 100	92.2	98.7	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 0	92.2	98.7	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6

TOTAL NUMBER OF OBSERVATIONS: 797

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 912450 STATION NAME: WAKE ISLAND

PERIOD OF RECORD: 77-86
MONTH: OCT HOURS(LST): 0900-1100

VISIBILITY IN STATUTE MILES

CEILING IN FEET	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
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NO CEIL	73.8	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
GE 20000	81.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
GE 18000	81.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
GE 16000	81.7	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
GE 14000	83.3	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
GE 12000	84.3	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
GE 10000	85.8	88.1	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
GE 9000	86.1	88.5	88.6	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
GE 8000	87.1	90.1	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
GE 7000	87.2	90.2	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
GE 6000	87.7	91.0	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
GE 5000	91.5	95.1	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
GE 4500	92.0	95.6	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
GE 4000	92.8	96.8	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GE 3500	93.0	96.9	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
GE 3000	93.0	96.9	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
GE 2500	93.1	97.0	97.6	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
GE 2000	93.2	97.6	98.4	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 1800	93.3	97.7	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 1500	93.5	98.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 1200	93.5	98.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 1000	93.5	98.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 900	93.5	98.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 800	93.5	98.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 700	93.5	98.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 600	93.5	98.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 500	93.5	98.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 400	93.5	98.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 300	93.5	98.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 200	93.5	98.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 100	93.5	98.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 0	93.5	98.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6

TOTAL NUMBER OF OBSERVATIONS: 837

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 912450 STATION NAME: WAKE ISLAND

PERIOD OF RECORD: 77-86
MONTH: OCT HOURS(LST): 1200-1400

CEILING VISIBILITY IN STATUTE MILES

IN	1	GE	6	GE	5	GE	4	GE	3	2	1 1/2	GE	2	1 1/2	1 1/4	GE	1	3/4	5/8	1/2	5/16	1/4	GE	0
FEET	10	GE	6	GE	5	GE	4	GE	3	2	1 1/2	GE	2	1 1/2	1 1/4	GE	1	3/4	5/8	1/2	5/16	1/4	GE	0
NO CEIL	72.3	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
GE 20000	83.0	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
GE 18000	83.4	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
GE 16000	83.6	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
GE 14000	86.1	86.5	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
GE 12000	87.5	88.3	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
GE 10000	89.2	90.6	90.7	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
GE 9000	89.2	90.6	90.7	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
GE 8000	90.1	92.0	92.1	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
GE 7000	90.6	92.4	92.5	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
GE 6000	91.7	93.7	93.8	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
GE 5000	94.6	96.6	96.7	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
GE 4500	94.7	96.7	96.8	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
GE 4000	95.0	97.4	97.5	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
GE 3500	95.0	97.4	97.5	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
GE 3000	95.0	97.4	97.5	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
GE 2500	95.0	97.6	97.8	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 2000	95.2	98.2	98.4	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 1800	95.4	98.3	98.5	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 1500	95.7	98.6	99.0	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 1200	95.7	98.6	99.0	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 1000	95.7	98.6	99.0	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 900	95.7	98.6	99.0	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 800	95.7	98.6	99.0	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 700	95.7	98.6	99.0	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 600	95.7	98.6	99.0	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 500	95.7	98.6	99.0	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 400	95.7	98.6	99.0	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 300	95.7	98.6	99.0	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 200	95.7	98.6	99.0	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 100	95.7	98.6	99.0	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 0	95.7	98.6	99.0	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS: 882

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
 USAFETAC FROM HOURLY OBSERVATIONS
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 912450 STATION NAME: WAKE ISLAND PERIOD OF RECORD: 77-86
 MONTH: OCT HOURS(1ST): 1500-1700

VISIBILITY IN STATUTE MILES									
IN	1	GE	2	GE	3	GE	4	GE	5
FEET	10	GE	6	GE	7	GE	8	GE	9
NO CEIL	68.3	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
GE 20000	79.8	80.6	80.6	80.7	80.7	80.7	80.7	80.7	80.7
GE 18000	80.6	81.5	81.5	81.6	81.6	81.6	81.6	81.6	81.6
GE 16000	80.8	81.7	81.7	81.9	81.9	81.9	81.9	81.9	81.9
GE 14000	82.2	83.1	83.1	83.3	83.3	83.3	83.3	83.3	83.3
GE 12000	85.2	86.4	86.4	86.5	86.5	86.5	86.5	86.5	86.5
GE 10000	88.2	89.3	89.3	89.4	89.4	89.4	89.4	89.4	89.4
GE 9000	88.4	89.6	89.6	89.7	89.7	89.7	89.7	89.7	89.7
GE 8000	89.2	90.5	90.5	90.6	90.6	90.6	90.6	90.6	90.6
GE 7000	89.7	91.0	91.0	91.1	91.1	91.1	91.1	91.1	91.1
GE 6000	91.1	92.5	92.5	92.7	92.7	92.7	92.7	92.7	92.7
GE 5000	94.5	96.3	96.3	96.5	96.5	96.5	96.5	96.5	96.5
GE 4500	94.9	96.7	96.7	96.8	96.8	96.8	96.8	96.8	96.8
GE 4000	95.4	97.4	97.4	97.6	97.6	97.6	97.6	97.6	97.6
GE 3500	95.4	97.4	97.4	97.6	97.6	97.6	97.6	97.6	97.6
GE 3000	95.5	97.6	97.6	97.8	97.8	97.8	97.8	97.8	97.8
GE 2500	95.6	97.7	97.7	97.9	97.9	97.9	97.9	97.9	97.9
GE 2000	96.1	98.3	98.3	98.5	98.5	98.5	98.5	98.5	98.5
GE 1800	96.2	98.5	98.5	98.6	98.6	98.6	98.6	98.6	98.6
GE 1500	96.5	99.1	99.1	99.4	99.4	99.4	99.4	99.4	99.4
GE 1200	96.5	99.1	99.1	99.4	99.4	99.4	99.4	99.4	99.4
GE 1000	96.5	99.1	99.1	99.5	99.5	99.5	99.5	99.5	99.5
GE 900	96.5	99.1	99.1	99.5	99.5	99.5	99.5	99.5	99.5
GE 800	96.5	99.1	99.1	99.5	99.5	99.5	99.5	99.5	99.5
GE 700	96.5	99.1	99.1	99.5	99.5	99.5	99.5	99.5	99.5
GE 600	96.5	99.1	99.1	99.5	99.5	99.5	99.5	99.5	99.5
GE 500	96.5	99.1	99.1	99.5	99.5	99.5	99.5	99.5	99.5
GE 400	96.5	99.1	99.1	99.5	99.5	99.5	99.5	99.5	99.5
GE 300	96.5	99.1	99.1	99.5	99.5	99.5	99.5	99.5	99.5
GE 200	96.5	99.1	99.1	99.5	99.5	99.5	99.5	99.5	99.5
GE 100	96.5	99.1	99.1	99.5	99.5	99.5	99.5	99.5	99.5
GE 0	96.5	99.1	99.1	99.5	99.5	99.5	99.5	99.5	99.5

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
USAFETAC FROM HOURLY OBSERVATIONS
AIR WEATHER SERVICE/MAC

STATION NUMBER: 912450 STATION NAME: WAKE ISLAND

PERIOD OF RECORD: 77-86
MONTH: OCT HOURS(LST): 1800-2000

CEILING VISIBILITY IN STATUTE MILES

IN FEET	10	6	5	4	3	2 1/2	2	1 1/2	1 1/4	1	3/4	5/8	1/2	5/16	1/4	GE
CEILING	10	6	5	4	3	2 1/2	2	1 1/2	1 1/4	1	3/4	5/8	1/2	5/16	1/4	GE

NO CEIL	71.0	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
GE 20000	83.1	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
GE 18000	83.5	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
GE 16000	84.2	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
GE 14000	85.3	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
GE 12000	86.5	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
GE 10000	89.4	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
GE 9000	89.6	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
GE 8000	89.7	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
GE 7000	89.7	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
GE 6000	90.7	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
GE 5000	94.2	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
GE 4500	94.6	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
GE 4000	95.1	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
GE 3500	95.2	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
GE 3000	95.2	98.0	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 2500	95.2	98.0	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 2000	95.3	98.2	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 1800	95.5	98.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 1500	95.6	98.8	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 1200	95.6	98.8	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 1000	95.6	98.8	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 900	95.6	98.8	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 800	95.6	98.8	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 700	95.6	98.8	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 600	95.6	98.8	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 500	95.6	98.8	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 400	95.6	98.8	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 300	95.6	98.8	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 200	95.6	98.8	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 100	95.6	98.8	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 0	95.6	98.8	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3

TOTAL NUMBER OF OBSERVATIONS: 838

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 912450 STATION NAME: WAKE ISLAND PERIOD OF RECORD: 77-86
MONTH: OCT HOURS(LST): 2100-2300

VISIBILITY IN STATUTE MILES

CEILING IN FEET	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	75.8	79.0	79.0	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1
GE 2000	61.4	84.8	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
GE 1800	81.6	85.1	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
GE 1600	82.3	85.8	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
GE 1400	83.4	86.8	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
GE 1200	84.4	87.8	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
GE 1000	86.5	90.6	90.9	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
GE 900	86.5	90.6	90.9	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
GE 800	86.8	91.5	91.6	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
GE 700	87.0	91.6	91.7	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
GE 600	87.9	92.6	92.9	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
GE 500	90.8	96.4	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
GE 450	90.9	96.8	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
GE 400	91.0	97.4	97.9	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 350	91.0	97.4	97.9	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 300	91.6	98.3	98.8	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 250	91.7	98.5	98.9	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 200	91.7	98.5	98.9	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 180	91.7	98.5	98.9	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 150	91.8	98.9	99.4	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 120	91.8	98.9	99.4	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 100	91.8	98.9	99.4	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 80	91.8	98.9	99.4	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 60	91.8	98.9	99.4	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 40	91.8	98.9	99.4	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 20	91.8	98.9	99.4	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 0	91.8	98.9	99.4	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS: 844

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
 USAFETAC FROM HOURLY OBSERVATIONS
 AIR WEATHER SERVICE/HAC

STATION NUMBER: 912450 STATION NAME: WAKE ISLAND

PERIOD OF RECORD: 77-86
 MONTH: OCT HOURS(LST): ALL

VISIBILITY IN STATUTE MILES

CEILING IN FEET	10	6	5	4	3	2	1 1/2	1	3/4	5/8	1/2	5/16	1/4	GE
NO CEIL	73.1	74.6	74.6	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
GE 2000	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
GE 1800	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
GE 1600	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
GE 1400	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
GE 1200	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
GE 1000	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
GE 900	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
GE 800	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
GE 700	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5
GE 600	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
GE 500	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
GE 450	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
GE 400	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
GE 350	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
GE 300	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
GE 250	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
GE 200	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
GE 180	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
GE 160	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
GE 140	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
GE 120	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
GE 100	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
GE 80	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
GE 60	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
GE 40	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
GE 20	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
GE 10	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
GE 0	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3

TOTAL NUMBER OF OBSERVATIONS: 6440

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
 USAFETAC FROM HOURLY OBSERVATIONS
 AIR WEATHER SERVICE/HAC

STATION NUMBER: 912450 STATION NAME: WAKE ISLAND

PERIOD OF RECORD: 77-86
 MONTH: NOV

CEILING IN FEET VISIBILITY IN STATUTE MILES

10	6	5	4	3	2	1 1/2	1 1/4	1	3/4	5/8	1/2	5/16	1/4	0
NO CEIL	70.4	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
GE 20000	71.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5
GE 18000	71.9	77.6	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8
GE 16000	72.2	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
GE 14000	72.5	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
GE 12000	73.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
GE 10000	75.0	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
GE 9000	75.1	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
GE 8000	75.4	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
GE 7000	75.6	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
GE 6000	76.3	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
GE 5000	80.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
GE 4500	81.4	91.2	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
GE 4000	83.4	94.3	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
GE 3500	84.0	94.9	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
GE 3000	84.5	95.6	96.7	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
GE 2500	84.7	96.1	97.3	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
GE 2000	84.9	96.5	97.8	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE 1800	84.9	96.5	97.8	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE 1500	85.3	97.4	98.7	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 1000	85.3	97.4	98.8	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE 800	85.3	97.7	99.2	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 700	85.3	97.7	99.2	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 600	85.3	97.9	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	85.3	97.9	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	85.3	97.9	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	85.3	97.9	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	85.3	97.9	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	85.3	97.9	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 0	85.3	97.9	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 857

• IR WEATHER SERVICE/MAC

PERIOD OF RECORD: 77-86
MONTH: NOV HOURS(LST

[illegible][illegible][illegible]

Year	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100	2101	2102	2103	2104	2105	2106	2107	2108	2109	2110	2111	2112	2113	2114	2115	2116	2117	2118	2119	2120	2121	2122	2123	2124	2125	2126	2127	2128	2129	2130	2131	2132	2133	2134	2135	2136	2137	2138	2139	2140	2141	2142	2143	2144	2145	2146	2147	2148	2149	2150	2151	2152	2153	2154	2155	2156	2157	2158	2159	2160	2161	2162	2163	2164	2165	2166	2167	2168	2169	2170	2171	2172	2173	2174	2175	2176	2177	2178	2179	2180	2181	2182	2183	2184	2185	2186	2187	2188	2189	2190	2191	2192	2193	2194	2195	2196	2197	2198	2199	2200	2201	2202	2203	2204	2205	2206	2207	2208	2209	2210	2211	2212	2213	2214	2215	2216	2217	2218	2219	2220	2221	2222	2223	2224	2225	2226	2227	2228	2229	2230	2231	2232	2233	2234	2235	2236	2237	2238	2239	2240	2241	2242	2243	2244	2245	2246	2247	2248	2249	2250	2251	2252	2253	2254	2255	2256	2257	2258	2259	2260	2261	2262	2263	2264	2265	2266	2267	2268	2269	2270	2271	2272	2273	2274	2275	2276	2277	2278	2279	2280	2281	2282	2283	2284	2285	2286	2287	2288	2289	2290	2291	2292	2293	2294	2295	2296	2297	2298	2299	2300	2301	2302	2303	2304	2305	2306	2307	2308	2309	2310	2311	2312	2313	2314	2315	2316	2317	2318	2319	2320	2321	2322	2323	2324	2325	2326	2327	2328	2329	2330	2331	2332	2333	2334	2335	2336	2337	2338	2339	2340	2341	2342	2343	2344	2345	2346	2347	2348	2349	2350	2351	2352	2353	2354	2355	2356	2357	2358	2359	2360	2361	2362	2363	2364	2365	2366	2367	2368	2369	2370	2371	2372	2373	2374	2375	2376	2377	2378	2379	2380	2381	2382	2383	2384	2385	2386	2387	2388	2389	2390	2391	2392	2393	2394	2395	2396	2397	2398	2399	2400	2401	2402	2403	2404	2405	2406	2407	2408	2409	2410	2411	2412	2413	2414	2415	2416	2417	2418	2419	2420	2421	2422	2423	2424	2425	2426	2427	2428	2429	2430	2431	2432	2433	2434	2435	2436	2437	2438
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879

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
USAF/CIAC FROM HOURLY OBSERVATIONS
AIR WEATHER SERVICE/MAC

STATION NUMBER: 912450 STATION NAME: WAKE ISLAND PERIOD OF RECORD: 77-86
MONTH: NOV HOURS(IST): 0600-0800

CEILING VISIBILITY IN STATUTE MILES

IN	1	GE	5	4	GE	3	2	1 1/2	2	1 1/2	1 1/4	1	3/4	5/8	1/2	5/16	1/4	GE
FEET	1	10	6	5	4	3	2	1 1/2	2	1 1/2	1 1/4	1	3/4	5/8	1/2	5/16	1/4	GE
NO CEIL	69.6	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
GE 20000	71.0	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
GE 18000	71.2	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
GE 16000	71.7	76.1	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
GE 14000	71.8	76.2	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
GE 12000	72.8	77.6	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
GE 10000	73.7	79.1	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2
GE 9000	73.9	79.5	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
GE 8000	74.3	79.8	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
GE 7000	74.4	80.2	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
GE 6000	75.4	81.2	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
GE 5000	82.0	88.9	89.0	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
GE 4500	82.9	90.2	90.4	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
GE 4000	86.5	94.7	95.2	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
GE 3500	86.9	95.1	95.6	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
GE 3000	87.7	96.1	97.0	97.1	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
GE 2500	87.8	96.2	97.1	97.2	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
GE 2000	87.8	96.5	97.5	97.6	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
GE 1500	88.0	97.2	98.5	98.6	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 1200	88.0	97.4	98.7	98.7	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 1000	88.0	97.4	98.9	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 900	88.0	97.4	98.9	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 800	88.0	97.4	98.9	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 700	88.0	97.4	98.9	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 600	88.0	97.4	98.9	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 500	88.0	97.4	98.9	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 400	88.0	97.4	98.9	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 300	88.0	97.4	98.9	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 200	88.0	97.4	98.9	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 100	88.0	97.4	98.9	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 01	88.0	97.4	98.9	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2

TOTAL NUMBER OF OBSERVATIONS: 794

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
 USAFETAC FROM HOURLY OBSERVATIONS
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 912450 STATION NAME: WAKE ISLAND

PERIOD OF RECORD: 77-86
 MONTH: NOV HOURS(1ST): 0900-1100

VISIBILITY IN STATUTE MILES

CEILING IN FEET	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
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NO CEIL	69.7	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9
GE 20000	71.7	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
GE 18000	72.1	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5
GE 16000	72.3	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
GE 14000	72.8	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
GE 12000	74.3	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
GE 10000	76.1	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5
GE 9000	76.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5
GE 8000	76.6	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
GE 7000	76.6	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2
GE 6000	77.4	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1
GE 5000	85.9	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
GE 4500	86.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
GE 4000	90.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
GE 3500	90.4	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
GE 3000	90.8	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
GE 2500	91.0	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
GE 2000	91.4	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
GE 1800	91.6	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
GE 1500	91.9	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 1200	92.0	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 1000	92.0	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 900	92.0	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 800	92.0	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 700	92.0	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 600	92.0	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 500	92.0	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 400	92.0	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 300	92.0	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 200	92.0	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 100	92.0	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 0	92.0	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4

TOTAL NUMBER OF OBSERVATIONS: 824

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 912450 STATION NAME: WAKE ISLAND

PERIOD OF RECORD: 77-86
MONTH: NOV HOURS(1ST): 1800-2000

CEILING

VISIBILITY IN STATUTE MILES

IN FLEET	10	GE	6	GE	5	GE	4	GE	3	2	1 1/2	1	1/2	1	3/4	5/8	1/2	5/16	1/4	GE
NO CEIL	67.6	69.9	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
GE 20000	69.9	72.7	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
GE 18000	70.3	73.1	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
GE 16000	70.5	73.3	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
GE 14000	71.3	74.3	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
GE 12000	72.7	75.9	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
GE 10000	74.5	77.9	78.0	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
GE 9000	74.5	77.9	78.0	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
GE 8000	75.3	78.8	78.9	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1
GE 7000	75.8	79.5	79.6	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
GE 6000	76.4	80.1	80.2	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
GE 5000	83.0	87.5	87.7	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
GE 4500	84.9	90.1	90.3	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
GE 4000	88.2	95.2	95.4	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
GE 3500	88.5	95.6	95.8	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
GE 3000	89.4	96.7	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
GE 2500	89.8	97.2	97.5	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
GE 2000	90.1	97.4	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE 1800	90.2	97.4	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE 1500	90.2	97.4	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE 1200	90.3	98.0	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 1000	90.3	98.2	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 900	90.3	98.2	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 800	90.3	98.2	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 700	90.3	98.2	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 600	90.3	98.2	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 500	90.3	98.2	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 400	90.3	98.2	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 300	90.3	98.2	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 200	90.3	98.2	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 100	90.3	98.2	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 0	90.3	98.2	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6

TOTAL NUMBER OF OBSERVATIONS: 855

GLOBAL CLIMATE BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 912450 STATION NAME: WAKE ISLAND

PERIOD OF RECORD: 77-86
MONTH: NOV HOURS(LST): 2100-2300

VISIBILITY IN STATUTE MILES

CEILING IN FEET	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	69.5	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4
GE 2000	70.4	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
GE 1800	71.0	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
GE 1600	71.6	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
GE 1400	71.6	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
GE 1200	72.6	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
GE 1000	73.6	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
GE 900	74.0	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
GE 800	74.6	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
GE 600	74.8	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
GE 500	80.1	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
GE 400	81.1	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
GE 300	82.6	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
GE 300	83.2	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
GE 250	83.2	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
GE 200	83.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
GE 180	83.4	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE 150	83.8	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 120	83.8	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 100	83.8	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 50	83.8	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 0	83.8	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6

TOTAL NUMBER OF OBSERVATIONS: 838

PERIOD OF RECORD: 77-86
MONTH: NOV HOURS (LST): ALL

[illegible]TOTAL NUMBER OF OBSERVATIONS: 6476

GLOBAL CLIMATOLOGY BRANCH
USAF/TAC
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 912450 STATION NAME: WAKE ISLAND

PERIOD OF RECORD: 77-86
MONTH: DEC HOURS(1ST): 0000-0200

VISIBILITY IN STATUTE MILES

CEILING IN FEET	10	6	5	4	3	2 1/2	2	1 1/2	1 1/4	1	3/4	5/8	1/2	5/16	1/4	0
NO CEIL	68.6	75.6	75.7	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
GE 20000	69.4	76.5	76.6	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
GE 18000	69.4	76.5	76.6	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
GE 16000	69.4	76.5	76.6	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
GE 14000	69.8	76.9	77.0	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
GE 12000	69.8	76.9	77.0	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
GE 10000	70.2	77.5	77.7	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8
GE 9000	70.6	77.9	78.0	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
GE 8000	71.2	78.6	78.7	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
GE 7000	71.5	79.2	79.3	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
GE 6000	73.0	81.1	81.2	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
GE 5000	78.0	88.3	88.4	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
GE 4500	79.0	89.9	90.0	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
GE 4000	81.4	94.0	94.2	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
GE 3500	82.0	94.7	94.8	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
GE 3000	83.0	96.8	97.1	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
GE 2500	83.2	97.3	97.6	97.8	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
GE 2000	83.4	97.6	98.1	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 1800	83.7	98.2	98.6	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 1600	83.8	98.4	99.0	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 1400	83.8	98.4	99.0	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 1200	83.8	98.4	99.2	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 1000	83.8	98.4	99.2	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 800	83.8	98.5	99.3	99.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	83.8	98.5	99.3	99.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	83.8	98.5	99.3	99.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	83.8	98.5	99.3	99.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	83.8	98.5	99.3	99.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	83.8	98.5	99.3	99.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	83.8	98.5	99.3	99.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	83.8	98.5	99.3	99.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 0	83.8	98.5	99.3	99.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 873

GLOBAL CLIMATOLOGY BRANCH
USAF/CLTAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 912450 STATION NAME: WAKE ISLAND

PERIOD OF RECORD: 77-86
MONTH: DEC HOURS(LST): 0300-0500

		VISIBILITY IN STATUTE MILES																	
		CE	GE	CE	GE	CE	GE	CE	GE	CE	GE	CE	GE	CE	GE	CE	GE		
CEILING		1	10	6	5	4	3	2 1/2	2	1 1/2	1 1/4	1	3/4	5/8	1/2	5/16	1/4		
FEET		1	10	6	5	4	3	2 1/2	2	1 1/2	1 1/4	1	3/4	5/8	1/2	5/16	1/4		
		NO	CEIL	1	64.6	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8		
GE	26000	66.0	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
GE	18000	66.0	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
GE	16000	66.0	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
GE	14000	66.2	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
GE	12000	66.3	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
GE	10000	66.6	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
GE	8000	66.7	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
GE	7000	66.7	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
GE	6000	67.6	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5
GE	5000	74.3	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
GE	4000	75.5	88.7	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
GE	3000	78.3	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
GE	2000	79.2	95.0	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
GE	1000	79.9	97.3	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
GE	2500	80.1	97.6	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
GE	2000	80.4	97.9	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE	1800	80.8	98.5	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE	1500	81.1	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE	1200	81.1	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE	1000	81.1	98.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE	500	81.1	98.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE	200	81.1	98.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	700	81.1	98.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	600	81.1	98.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	500	81.1	98.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	400	81.1	98.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	300	81.1	98.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	200	81.1	98.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	100	81.1	98.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	0	81.1	98.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 715

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 912450 STATION NAME: WAKE ISLAND

PERIOD OF RECORD: 77-86
MONTH: DEC

CEILING		VISIBILITY IN STATUTE MILES																HOURS(IST): 0600-0800			
IN	FEET	1	2	3	4	5	6	GE	1/2	1	1 1/4	1 1/2	1 3/4	2	3	4	5	6	7	8	9
NO CEIL	1	65.5	69.8	69.8	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9
GE 20000	67.1	71.6	71.6	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
GE 18000	67.1	71.6	71.6	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
GE 16000	67.1	71.6	71.6	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
GE 14000	67.3	71.8	71.8	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
GE 12000	67.6	72.0	72.0	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
GE 10000	68.9	73.5	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
GE 9000	69.1	73.7	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
GE 8000	69.6	74.2	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
GE 7000	69.6	74.2	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
GE 6000	70.4	75.3	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
GE 5000	78.0	85.0	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
GE 4500	79.8	86.7	87.0	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
GE 4000	85.0	93.3	93.7	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
GE 3500	85.2	93.5	93.9	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
GE 3000	86.8	96.6	97.1	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
GE 2500	87.2	97.1	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GE 2000	87.2	97.1	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GE 1800	87.6	97.6	98.0	98.1	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 1500	88.0	98.4	99.3	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 1200	88.0	98.8	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1000	88.0	98.8	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 900	88.0	98.8	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 800	88.0	98.8	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 700	88.0	98.8	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 600	88.0	98.8	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 500	88.0	98.8	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 400	88.0	98.8	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 300	88.0	98.8	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 200	88.0	98.8	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 100	88.0	98.8	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 01	88.0	98.8	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS: 305

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
 USAFETAC FROM HOURLY OBSERVATIONS
 AIR WEATHER SERVICE/MAC

STATION NUMBER: 912450 STATION NAME: WAKE ISLAND PERIOD OF RECORD: 77-86 MONTH: DEC HOURS(LST): 0900-1100

CEILING		VISIBILITY IN STATUTE MILES															
IN	FEET	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
		10	6	5	4	3	2	1/2	1	1/2	1	1/4	1	3/4	5/8	1/2	5/16
		1	10	6	5	4	3	2	1/2	1	1/2	1	1/4	1	3/4	5/8	1/2
NO	CEIL	70.3	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
GE	20000	71.9	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8
GE	18000	71.9	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8
GE	16000	71.9	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8
GE	14000	72.7	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
GE	12000	73.1	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
GE	10000	73.5	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
GE	9000	73.8	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
GE	8000	73.8	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
GE	7000	74.0	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
GE	6000	75.9	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
GE	5000	84.6	86.5	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
GE	4500	86.7	88.7	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
GE	4000	91.5	94.4	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
GE	3500	91.8	94.7	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
GE	3000	92.9	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
GE	2500	93.4	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
GE	2000	93.4	97.5	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
GE	1800	93.6	97.7	97.8	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
GE	1500	93.6	99.0	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
GE	1200	93.7	99.3	99.5	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE	1000	93.7	99.4	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	900	93.7	99.4	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	800	93.7	99.4	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	700	93.7	99.4	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	600	93.7	99.4	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	500	93.7	99.4	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	400	93.7	99.4	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	300	93.7	99.4	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	200	93.7	99.4	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	100	93.7	99.4	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE	0	93.7	99.4	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 869

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
USAFCTAC FROM HOURLY OBSERVATIONS
AIR WEATHER SERVICE/MAC

STATION NUMBER: 912450 STATION NAME: WAKE ISLAND

PERIOD OF RECORD: 77-86
MONTH: DEC HOURS(LST): 1200-1400

CEILING VISIBILITY IN STATUTE MILES

IN FEET	1	10	6	5	4	3	2	1/2	GE	1 1/4	1	3/4	5/8	1/2	5/16	1/4	0
NO CEIL	71.7	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5
GE 20000	74.7	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
GE 18000	74.7	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
GE 16000	74.8	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
GE 14000	74.9	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
GE 12000	74.9	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
GE 10000	75.3	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
GE 9000	75.3	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
GE 8000	75.3	76.9	76.9	76.9	76.9	76.9	76.9	76.9	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
GE 7000	75.8	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5
GE 6000	78.9	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
GE 5000	66.6	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
GE 4500	68.4	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
GE 4000	91.5	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
GE 3500	91.9	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
GE 3000	92.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
GE 2500	93.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
GE 2000	93.4	97.9	97.9	97.9	97.9	97.9	97.9	97.9	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 1800	93.5	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 1500	94.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 1200	94.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1000	94.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 800	94.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 600	94.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 400	94.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 200	94.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 100	94.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 0	94.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS: 896

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 912450 STATION NAME: WAKE ISLAND

PERIOD OF RECORD: 77-86
MONTH: DEC HOURS(LST): 1500-1700

CEILING VISIBILITY IN STATUTE MILES

FEET	10	6	5	4	3	2	1 1/2	1 1/4	1	3/4	5/8	1/2	5/16	1/4	0
NO CEIL	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5
GE 20000	79.5	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
GE 18000	79.5	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
GE 16000	79.8	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
GE 14000	80.2	81.3	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8
GE 12000	80.6	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1
GE 10000	81.2	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
GE 9000	81.2	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
GE 8000	81.2	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
GE 7000	81.8	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
GE 6000	83.6	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
GE 5000	89.9	92.0	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
GE 4500	91.7	93.9	94.0	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
GE 4000	93.9	96.7	96.8	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
GE 3500	94.6	97.4	97.5	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
GE 3000	95.1	98.0	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE 2500	95.2	98.1	98.2	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GE 2000	95.3	98.4	98.5	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 1800	95.3	98.4	98.5	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 1600	95.8	99.1	99.2	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 1500	95.8	99.1	99.2	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
GE 1200	96.0	99.3	99.4	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 1000	96.0	99.3	99.5	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	96.0	99.3	99.5	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	96.0	99.3	99.5	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	96.0	99.3	99.5	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	96.0	99.3	99.5	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	96.0	99.3	99.5	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	96.0	99.3	99.5	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	96.0	99.3	99.5	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	96.0	99.3	99.5	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	96.0	99.3	99.5	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 0	96.0	99.3	99.5	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 855

PERIOD OF RECORD: 77-86
MONTH: DEC HOURS (LST): ALL

[illegible]

TOTAL NUMBER OF OBSERVATIONS: 6748

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 912450 STATION NAME: WAKE ISLAND

PERIOD OF RECORD: 77-86
MONTH: ALL HOURS(1ST): ALL

VISIBILITY IN STATUTE MILES

CEILING IN FEET	1	2	3	4	5	6	10	1/2	1	1 1/4	1 3/4	2	3/4	5/8	1/2	5/16	1/4	0
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NO CEIL	70.9	73.6	73.6	73.7	73.7	73.7	73.7	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
GE 20000	76.0	79.1	75.2	79.2	79.2	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
GE 18000	76.2	79.3	75.4	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5
GE 16000	76.5	79.6	79.7	79.8	79.8	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
GE 14000	77.5	80.6	80.7	80.8	80.8	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
GE 12000	79.2	81.5	81.6	81.7	81.7	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8
GE 10000	79.4	83.0	83.1	83.2	83.2	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
GE 9000	79.7	83.3	83.4	83.5	83.5	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
GE 8000	80.2	83.9	84.0	84.1	84.1	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
GE 7000	80.5	84.5	84.5	84.6	84.6	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
GE 6000	81.4	85.4	85.6	85.7	85.7	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
GE 5000	86.0	90.8	91.1	91.2	91.2	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
GE 4000	87.0	92.1	92.3	92.4	92.5	92.5	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
GE 3500	89.3	95.5	95.6	95.9	96.1	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
GE 3000	89.8	96.3	96.8	96.9	97.0	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
GE 2500	90.0	96.6	97.0	97.1	97.3	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
GE 2000	90.4	97.2	97.7	97.9	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
GE 1800	90.5	97.3	97.9	98.0	98.2	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GE 1500	90.8	98.0	98.7	98.9	99.1	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
GE 1200	90.8	98.1	98.9	99.1	99.4	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
GE 1000	90.8	98.2	99.0	99.3	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 900	90.8	98.2	99.0	99.3	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
GE 800	90.8	98.2	99.1	99.3	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 700	90.8	98.2	99.1	99.3	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 600	90.8	98.2	99.1	99.3	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 500	90.8	98.2	99.1	99.3	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 400	90.8	98.2	99.1	99.3	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 300	90.8	98.2	99.1	99.3	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 200	90.8	98.2	99.1	99.3	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE 100	90.8	98.2	99.1	99.3	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
GE	90.8	98.2	99.1	99.3	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS: 75211

U S AIR FORCE:
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

TOTAL SKY COVER

FOR AIRWAYS STATIONS THE SYMBOLS OF CLEAR, SCATTERED,
BROKEN, OVERCAST, & OBSCURED WERE USED AS INPUT FOR THE
TOTAL SKY COVER.

CLEAR WAS CONVERTED TO 0/10

SCATTERED WAS CONVERTED TO 3/10

BROKEN WAS CONVERTED TO 9/10

OVERCAST WAS CONVERTED TO 10/10

OBSCURED WAS CONVERTED TO 10/10

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER
FROM HOURLY OBSERVATIONS

STATION NUMBER: 912450 STATION NAME: WAKE ISLAND

PERIOD OF RECORD: 77-86
MONTH: JAN

PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER

HOURS (LST)	0	1	2	3	4	5	6	7	8	9	10	MEAN	TOTAL OBS
00-02	13.6	8.1		47.9	1.7	1.9	1.2		2.2	11.9	11.5	4.2	892
03-05	16.0			49.0		.1	.1		.1	20.1	14.7	4.8	783
06-08	8.9	7.2		39.6	1.6	1.5	1.2		4.0	21.2	14.9	5.2	824
09-11	10.9			45.6						25.1	18.3	5.5	872
12-14	11.7	5.5		39.7	2.5	1.7	1.3		3.4	19.5	14.8	5.0	880
15-17	13.5	.1		50.6						21.9	14.0	4.9	874
18-20	11.1	6.7		44.7	2.7	2.1	.7		3.6	13.5	14.9	4.7	877
21-23	16.1	.1		55.1		.1			.1	15.3	13.2	4.4	889
TOTALS	12.7	3.5		46.5	1.1	.9	.6		1.7	18.6	14.5	4.8	6891

STATION NUMBER: 912450 STATION NAME: WAKE ISLAND

PERIOD OF RECORD: 77-86
MONTH: FEB

PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER

HOURS (LST)	0	1	2	3	4	5	6	7	8	9	10	MEAN	TOTAL OBS
00-02	15.2	6.2		50.4	2.2	1.7	.4		2.9	9.6	11.3	4.0	821
03-05	14.0	.1		57.2	.1					15.4	13.0	4.4	713
06-08	9.5	6.0		46.2	2.3	2.1	1.5		1.6	16.0	12.7	4.6	746
09-11	9.7			58.1					.1	20.2	12.0	4.8	794
12-14	11.9	7.6		45.1	2.1	2.5	1.7		3.6	15.4	10.1	4.4	805
15-17	14.1			56.4					.1	17.6	11.7	4.5	794
18-20	12.5	7.6		47.2	2.6	1.6	1.4		2.5	14.0	10.4	4.3	798
21-23	19.8	.1		57.3		.1	.1			13.1	9.4	3.9	808
TOTALS	13.3	3.7		52.2	1.2	1.0	.6		1.4	15.2	11.3	4.4	6279

GLOBAL CLIMATOLOGY BRANCH
USAF/CLTAC
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER
FROM HOURLY OBSERVATIONS

STATION NUMBER: 912450 STATION NAME: WAKE ISLAND

PERIOD OF RECORD: 77-86
MONTH: MAR

PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER													
HOURS (LST)	0	1	2	3	4	5	6	7	8	9	10	MEAN	TOTAL OBS
00-02	11.7	9.6		52.0	1.7	1.3	1.0		2.0	10.1	10.5	4.0	894
03-05	10.7	.3		60.7					.3	16.7	11.4	4.5	731
06-08	4.7	8.9		49.3	1.8	1.6	2.0		2.2	18.4	11.1	4.8	830
09-11	8.2			59.6			.1			21.3	10.7	4.8	862
12-14	8.1	6.6		52.4	2.9	2.0	.2		3.6	14.3	9.8	4.4	884
15-17	10.5			60.9	.1				.1	19.5	8.9	4.5	847
18-20	10.5	6.3		51.0	2.1	2.0	1.9		3.1	13.7	8.7	4.3	884
21-23	16.3			62.9						12.1	8.7	3.8	883
TOTALS	10.1	4.6		56.1	1.1	.9	.7		1.4	15.8	10.0	4.4	6815

STATION NUMBER: 912450 STATION NAME: WAKE ISLAND

PERIOD OF RECORD: 77-86
MONTH: APR

PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER													
HOURS (LST)	0	1	2	3	4	5	6	7	8	9	10	MEAN	TOTAL OBS
00-02	7.5	5.5		56.2	2.7	1.6	1.7		2.3	9.7	12.3	4.3	877
03-05	8.2	.3		64.6			.1			14.0	12.9	4.5	731
06-08	3.9	6.5		52.4	2.7	2.2	.6		2.0	15.1	14.5	4.9	801
09-11	3.7			64.8						16.5	15.0	4.9	855
12-14	4.1	5.5		52.2	3.0	2.2	1.1		3.9	15.0	12.6	4.8	854
15-17	4.6			63.1	.2				.2	16.4	15.3	4.9	822
18-20	3.3	4.0		53.3	3.0	1.3	1.2		2.6	12.9	17.7	5.0	868
21-23	8.4			63.9						12.8	14.9	4.6	858
TOTALS	5.5	2.5		58.8	1.5	.9	.6		1.4	14.1	14.4	4.7	6666

GLOBAL CLIMATOLOGY BRANCH
USAF/ETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER
FROM HOURLY OBSERVATIONS

STATION NUMBER: 912450 STATION NAME: WAKE ISLAND PERIOD OF RECORD: 77-86
MONTH: MAY

PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER													TOTAL
HOURS (LST)	0	1	2	3	4	5	6	7	8	9	10	MEAN	OBS
00-02	8.6	8.6		60.1	2.7	1.4	.3		2.5	9.4	7.1	3.8	864
03-05	13.1	.1		64.2	.1				.1	15.9	6.4	4.0	776
06-08	2.0	5.5		55.1	2.8	2.3	1.4		3.7	19.3	7.8	4.8	830
09-11	4.2	.1		62.3						22.7	10.7	5.0	860
12-14	4.2	4.4		52.6	3.5	2.3	1.5		3.5	17.9	10.0	4.9	877
15-17	2.3	.1		63.3	.2	.1			.2	22.0	11.6	5.1	810
18-20	2.9	4.5		53.4	2.2	3.0	1.4		5.3	17.2	9.8	4.9	874
21-23	9.8			71.1	.2					12.5	6.4	3.9	888
TOTALS	5.9	2.9		60.3	1.5	1.1	.6		1.9	17.1	8.7	4.6	6779

STATION NUMBER: 912450 STATION NAME: WAKE ISLAND PERIOD OF RECORD: 77-86
MONTH: JUN

PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER													
HOURS (LST)	0	1	2	3	4	5	6	7	8	9	10	MEAN	TOTAL OBS
00-02	3.2	8.1	62.5	62.5	2.3	2.5	1.2		3.3	10.0	7.0	4.1	840
03-05	5.7		69.2	69.2	.1		.1		.3	14.6	9.9	4.4	685
06-08	1.8	5.4	54.1	54.1	3.2	3.3	1.0		3.5	17.2	10.5	4.9	780
09-11	2.4	.2	65.0	65.0						21.4	10.9	5.0	844
12-14	1.8	6.5	54.6	54.6	2.8	2.2	1.1		3.6	15.9	11.6	4.9	857
15-17	.9	.4	65.0	65.0	.1	.3				21.6	11.8	5.1	791
18-20	.6	3.4	54.8	54.8	1.8	2.6	1.7		4.8	17.8	12.5	5.2	821
21-23	4.1	.1	71.7	71.7		.2			.2	16.2	7.4	4.4	823
TOTALS	2.6	3.1	62.1	62.1	1.3	1.4	.6		2.0	16.8	10.2	4.8	6441

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER
FROM HOUPPLY OBSERVATIONS

STATION NUMBER: 912450 STATION NAME: WAKE ISLAND

PERIOD OF RECORD: 77-86
MONTH: JUL

HOURS (LST)	0	1	2	3	4	5	6	7	8	9	10	MEAN	TOTAL OBS
00-02	2.0	7.1		55.9	3.2	1.2	1.4		3.4	10.5	15.4	4.8	851
03-05	4.0	.4		63.5		.1			.4	17.2	14.4	4.9	682
06-08	.7	4.6		47.6	3.5	1.9	1.6		4.4	19.5	16.2	5.5	801
09-11	.7	.1		56.2	.1				.1	24.8	17.9	5.7	866
12-14	.6	2.5		46.4	3.5	1.9	1.9		4.3	20.3	18.6	5.8	882
15-17	.6			53.1	.1		.1		.1	25.0	20.9	6.0	812
18-20	.5	2.1		45.1	2.3	2.3	1.7		3.6	21.0	21.5	6.0	840
21-23	3.9	.1		61.7	.2					16.6	17.4	5.1	849
TOTALS	1.6	2.1		53.7	1.6	.9	.9		2.0	19.4	17.8	5.5	6583

STATION NUMBER: 912450 STATION NAME: WAKE ISLAND

PERIOD OF RECORD: 77-86
MONTH: AUG

HOURS (LST)	0	1	2	3	4	5	6	7	8	9	10	MEAN	TOTAL OBS
00-02	1.9	3.9		44.4	3.0	2.3	1.0		4.7	12.2	26.7	5.8	903
03-05	3.0	.1		58.0	.1					14.0	24.7	5.5	765
06-08	.7	5.9		37.1	2.4	2.4	.8		3.9	20.4	26.4	6.2	842
09-11	.2			42.9						29.1	27.8	6.7	856
12-14	.3	2.7		35.2	2.4	1.9	1.0		4.8	24.1	27.4	6.6	878
15-17	.5			37.5	.5				.2	28.3	33.5	7.1	831
18-20	.4	1.9		31.5	2.0	1.5	1.9		5.3	21.8	33.8	7.0	857
21-23	2.9			50.6						18.8	27.6	6.0	865
TOTALS	1.2	1.8		42.2	1.3	1.0	.6		2.4	21.1	28.5	6.4	6797

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER
FROM HOURLY OBSERVATIONS

STATION NUMBER: 912450 STATION NAME: WAKE ISLAND

PERIOD OF RECORD: 77-86
MONTH: SEP

PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER													TOTAL
HOURS (LST)	0	1	2	3	4	5	6	7	8	9	10	MEAN	OBS
00-02	1.7	6.5		53.3	2.7	2.8	1.3		3.9	10.4	17.5	5.0	829
03-05	2.1	.1		69.3	.1	.3	.4		.1	16.6	10.9	4.7	717
06-08	1.3	8.2		49.0	2.8	2.5	1.1		3.9	15.7	15.3	5.1	789
09-11	1.8	.1		57.5					.1	22.9	17.5	5.6	821
12-14	1.3	2.6		46.8	2.6	3.1	1.6		3.9	18.7	19.3	5.7	838
15-17	.8	.1		52.3	.1		.1		.5	23.3	22.7	6.0	765
18-20	.1	2.5		47.0	2.2	2.5	1.2		4.5	16.8	22.8	5.9	804
21-23	2.6			62.1					.6	17.0	17.7	5.2	808
TOTALS	1.5	2.6		54.7	1.3	1.4	.7		2.2	17.7	18.0	5.4	6371

STATION NUMBER: 912450 STATION NAME: WAKE ISLAND

PERIOD OF RECORD: 77-86
MONTH: OCT

PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER													TOTAL
HOURS (LST)	0	1	2	3	4	5	6	7	8	9	10	MEAN	OBS
00-02	3.2	4.1	55.5	3.2	2.1	1.4	5.1	12.0	13.3	4.8	847		
03-05	5.6	.2	63.9	.2	.2	.2	.8	15.5	13.5	4.8	620		
06-08	2.6	7.3	49.1	2.9	1.5	.8	3.1	15.0	17.8	5.2	799		
09-11	1.8		59.4					18.7	20.1	5.5	839		
12-14	1.7	5.4	50.0	2.0	1.9	1.1	2.7	14.2	20.9	5.4	882		
15-17	1.7		57.1	.4			.5	18.9	21.4	5.6	779		
18-20	1.0	2.9	50.3	2.9	2.7	1.7	3.6	15.5	19.5	5.5	839		
21-23	3.3		62.8					19.3	14.6	5.1	845		
TOTALS	2.6	2.5	56.0	1.5	1.1	.7	2.0	16.1	17.6	5.2	6450		

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER
FROM HOURLY OBSERVATIONS

STATION NUMBER: 912450 STATION NAME: WAKE ISLAND

PERIOD OF RECORD: 77-86
MONTH: NOV

PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER

HOURS (LST)	0	1	2	3	4	5	6	7	8	9	10	MEAN	TOTAL OBS
00-02	5.6	9.2		54.7	1.7	2.1	.6		3.0	10.3	12.8	4.4	858
03-05	9.1	.5		64.2	.2	.2	.2		.2	12.5	13.1	4.4	648
06-08	4.2	8.2		51.9	2.8	1.8	1.0		3.4	15.0	11.8	4.7	794
09-11	5.3			58.2						22.6	13.9	5.2	827
12-14	6.8	4.2		52.1	2.7	1.9	.8		3.7	14.7	13.1	4.8	856
15-17	5.5	.1		60.0	.1					18.4	15.9	5.1	804
18-20	2.5	4.4		53.8	2.7	2.0	.8		3.0	16.3	14.5	5.1	857
21-23	4.8	.2		66.9	.1	.2				15.0	12.7	4.7	840
TOTALS	5.5	3.4		57.7	1.3	1.0	.4		1.7	15.6	13.5	4.8	6484

STATION NUMBER: 912450 STATION NAME: WAKE ISLAND

PERIOD OF RECORD: 77-86
MONTH: DEC

PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER

HOURS (LST)	0	1	2	3	4	5	6	7	8	9	10	MEAN	TOTAL OBS
00-02	8.8	7.0		54.9	1.7	1.1	.7		3.8	13.2	8.8	4.3	874
03-05	10.0	.1		60.8		.1	.1		.1	20.8	7.8	4.5	717
06-08	6.3	7.4		48.6	2.7	1.4	1.9		3.5	17.2	11.0	4.7	808
09-11	5.5			59.9	.1					25.5	9.0	5.0	870
12-14	6.9	6.7		51.2	1.9	1.3	1.8		4.1	19.4	6.7	4.6	898
15-17	9.3			63.1			.1		.4	20.0	7.1	4.4	856
18-20	7.1	4.5		57.3	2.1	1.9	1.0		4.2	13.3	8.2	4.4	862
21-23	11.4	.3		66.5		.2				13.3	8.2	4.0	874
TOTALS	8.2	3.3		57.8	1.1	.8	.7		2.0	17.8	8.4	4.5	6759

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER
FROM HOURLY OBSERVATIONS

STATION NUMBER: 912450 STATION NAME: WAKE ISLAND

PERIOD OF RECORD: 77-86
MONTH: ALL

PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER														TOTAL
HOURS (LST)	0	1	2	3	4	5	6	7	8	9	10	MEAN	OBS	
JAN	12.7	3.5	46.5	1.1	.9	.6	1.7	18.6	14.5	4.8	6891			
FEB	13.3	3.7	52.2	1.2	1.0	.6	1.4	15.2	11.3	4.4	6279			
MAR	10.1	4.0	56.1	1.1	.9	.7	1.4	15.8	10.0	4.4	6815			
APR	5.5	2.9	58.6	1.5	.9	.6	1.4	14.1	14.4	4.7	6666			
MAY	5.9	2.9	60.3	1.5	1.1	.6	1.9	17.1	8.7	4.6	6779			
JUN	2.6	3.0	62.1	1.3	1.4	.6	2.0	16.8	10.2	4.8	6441			
JUL	1.6	2.1	53.7	1.6	.9	.9	2.0	19.4	17.8	5.5	6583			
AUG	1.2	1.8	42.2	1.3	1.0	.6	2.4	21.1	28.5	6.4	6797			
SEP	1.5	2.6	54.7	1.3	1.4	.7	2.2	17.7	18.0	5.4	6371			
OCT	2.6	2.5	56.0	1.5	1.1	.7	2.0	16.1	17.6	5.2	6450			
NOV	5.5	3.4	57.7	1.3	1.0	.4	1.7	15.6	13.5	4.8	6484			
DEC	8.2	3.3	57.8	1.1	.8	.7	2.0	17.8	8.4	4.5	6759			
TOTALS	5.9	3.0	54.8	1.3	1.0	.6	1.8	17.1	14.4	5.0	79315			

PART E PSYCHROMETRIC SUMMARIES

In this section are presented various summaries of dry- and wet-bulb temperatures, dew points, and relative humidity. The order and manner of presentations follow:

1. Cumulative percentage frequency of occurrence - derived from daily observations and presented by month and annual for all years combined. These tabulations provide the cumulative percentage frequency to tenths of temperature by 5-degree Fahrenheit increments, plus mean temperature, standard deviations, and total number of observations in three separate tables as follows:

- a. Daily maximum temperatures
- b. Daily minimum temperatures
- c. Daily mean temperatures

NOTE: Beginning in January 1964, daily maximum and minimum temperatures are routinely selected from hourly observations recorded on surface observing forms or from automated data collections for all Air Force operated stations. For those stations observing less than 24 hours per day, and where maximum and minimum temperatures are required but not recorded, these are also selected from hourly data from as early as January 1949 and later. Please refer to notations on summary pages and Station History for further information on reporting practices of individual stations.

2. Extreme values - derived from daily observations with the extreme value selected for each year and month of record available. An annual (ALL MONTHS) value is selected when all months for a year have valid extremes. Means and standard deviations are computed for months and annual when four or more values are present for any column. Two tables of daily extremes are prepared:

- a. Extreme maximum temperature
- b. Extreme minimum temperature

NOTE: The following symbols are used in the extreme data blocks:

- (1) * indicates the extreme was selected from a month with one or more days missing.
- (2) # indicates the extreme was selected from a month in which hourly temperatures were available for less than 24 hours for at least one day in the month.

* Values for means and standard deviations do not include months for incomplete months.

Continued on Reverse

3. Bivariate percentage frequency distribution and computations of dry-bulb versus wet-bulb temperature.

These tables have been temporarily discontinued for the Russwo pending the advent of RUSSWO-2 in mid 1986.

4. Means and standard deviations - These tabulations are derived from hourly observations and present the mean, standard deviation, and total number of observations for the eight standard 3-hour groups, by month and annual and again at the bottom for all hours combined. Records for all years combined are presented in the following three tables; DRY-BULB TEMPERATURE, WET-BULB TEMPERATURE, and DEW-POINT TEMPERATURE.
5. Cumulative percentage frequency of occurrence of relative humidity - This summary is derived from hourly observations and presents the cumulative percentage frequency of occurrence of relative humidity by increments of 10% classes, plus the mean relative humidity and total number of observations in two tables.
 - a. Table 1 is prepared by month and annual, all years combined, with month being the vertical argument.
 - b. Table 2 is prepared by month by standard 3-hour groups, with the hour groups being the vertical argument and a separate page for each month. All years are also combined for this summary.

DAILY TEMPERATURES

49-64

[illegible]

YEARS

MAXIMUM

**CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM DAILY OBSERVATIONS)**

[illegible]

DAILY TEMPERATURES

STATION NAME

YEARS

98-64

東亞日報

**CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM DAILY OBSERVATIONS)**

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC
912450 WAKE ISLAND

44-38861-1000

912450 WAKE ISLAND STATION NAME

YEARS

23

**CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM DAILY OBSERVATIONS)**

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAF/PTAC
AIR WEATHER SERVICE/PTAC

EXTREME VALUES OF MAXIMUM TEMPERATURE
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 912450 STATION NAME: WAKE ISLAND PERIOD OF RECORD: 49-86

WHOLE DEGREES FAHRENHEIT
-M-O-N-T-H-S-

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
49	85	83	85	85	86	88	88	88	87	86	87	85	88
50	83	86	83	85	87	88	89	91	90	89	86	84	88
51	83	87	86	86	87	89	89	90	*91	89	87	86	91
52	86	84	85	85	86	89	87	87	88	88	88	85	*91
53	85	84	84	86	85	86	88	88	88	88	86	85	88
54	83	84	85	83	86	87	89	90	89	87	86	85	88
55	83	85	84	84	87	88	88	89	90	86	87	85	90
56	84	85	86	85	87	90	90	92	90	89	87	84	90
57	84	83	85	85	86	89	89	90	90	89	87	84	92
58	84	84	85	85	86	89	89	90	91	91	88	86	91
59	84	85	85	85	86	88	89	90	91	90	87	86	91
60	85	85	87	86	88	89	89	90	90	89	88	85	90
61	85	86	88	85	86	90	89	90	89	89	86	86	90
62	87	85	85	86	86	89	90	90	90	89	86	85	90
63	86	86	87	85	87	89	90	90	89	89	88	87	90
64	85	84	85	87	88	90	88	89	89	88	86	84	89
65	83	82	83	84	86	86	87	88	89	87	86	83	89
66	83	82	83	85	86	89	89	89	89	88	86	84	89
67	82	83	83	85	86	89	88	89	*87	90	89	87	90
68	86	85	85	86	88	89	89	91	90	90	89	87	91
69	84	85	87	86	88	90	91	92	92	91	89	87	92
70	86	86	89	91	91	92	92	91	92	91	90	87	92
71	84	86	85	87	89	90	90	90	90	89	87	85	90
72	82	81	84	83	89	90	90	91	91	90	87	86	91
73	84	84	85	85	87	89	90	90	91	90	88	87	91
74	85	84	85	85	87	88	89	91	90	89	87	86	91
75	85	85	86	85	90	90	91	91	90	89	88	85	91
76	85	84	85	86	88	92	90	91	90	90	89	86	92
77	87	86	86	86	89	91	91	91	*92	89	87	86	*92
78	85	85	85	87	91	90	90	93	92	91	88	86	93

NOTES * (BASED ON LESS THAN FULL MONTHS)
(AT LEAST ONE DAY LESS THAN 24 OBS)

CONTINUED ON NEXT PAGE....

GLOBAL CLINATOLOGY BRANCH
HUSAF LTC
AIR CATHAR SERVICE/MAC

STATION NUMBER: 912450 STATION NAME: WAKE ISLAND

ALL

YEAR	-M-O-N-T-H-S-												ALL MONTHS
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
79	84	84	87	87	90	91	94	90	90	92	88	87	94
80	86	86	86	88	89	93	93	92	95	90	90	91	95
81	84	88	88	90	90	91	92	91	90	90	90	89	92
82	89	86	90	87	87	89	92	92	92	91	89	85	92
83	83	83	84	85	87	88	89	91	91	92	90	88	92
84	87	87	88	90	92	91	92	95	95	92	90	88	95
85	87	88	89	89	91	90	94	91	92	92	89	87	94
86	84	85	88	88	86	91	91	91	89	90	87	85	91
87	84	84	86	86	87	89	89	90	90	89	87	86	91
88	86	86	86	86	87	89	89	90	90	89	87	86	91
89	86	86	86	86	87	89	89	90	90	89	87	86	91
90	86	86	86	86	87	89	89	90	90	89	87	86	91
91	86	86	86	86	87	89	89	90	90	89	87	86	91
92	86	86	86	86	87	89	89	90	90	89	87	86	91
93	86	86	86	86	87	89	89	90	90	89	87	86	91
94	86	86	86	86	87	89	89	90	90	89	87	86	91
95	86	86	86	86	87	89	89	90	90	89	87	86	91
96	86	86	86	86	87	89	89	90	90	89	87	86	91
97	86	86	86	86	87	89	89	90	90	89	87	86	91
98	86	86	86	86	87	89	89	90	90	89	87	86	91
99	86	86	86	86	87	89	89	90	90	89	87	86	91
00	86	86	86	86	87	89	89	90	90	89	87	86	91
TOTAL	1147	1045	1147	1116	1147	1110	1147	1147	1103	1147	1140	1178	13568

NOTES * (BASED ON LESS THAN FULL MONTHS)
(AT LEAST ONE DAY LESS THAN 24 OBS)

EXTREME VALUES OF MINIMUM TEMPERATURE
(FROM DAILY OBSERVATIONS)

GLOBAL CLIMATE/CLIMATE BRANCH
USAF/ETAC
AIR WEATHER SERVICE/MAC

PERIOD OF RECORD: 49-86

STATION NUMBER: 912450 STATION NAME: WAKE ISLAND

WHOLE DEGREES FAHRENHEIT

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
49	69	69	69	69	72	71	71	72	73	73	70	68	65
50	69	64	68	69	72	74	73	76	75	74	65	70	68
51	67	71	70	71	72	73	71	73	*73	71	74	72	67
52	71	69	70	73	74	73	71	70	74	72	72	71	69
53	67	65	67	70	70	71	72	70	71	70	71	64	64
54	68	70	67	70	71	72	73	72	73	71	72	65	65
55	66	65	69	69	72	72	69	72	75	71	68	70	65
56	65	68	67	71	71	73	74	72	73	74	73	72	65
57	65	67	69	69	71	73	73	68	73	72	72	72	65
58	65	68	68	69	70	73	74	75	73	73	72	71	68
59	69	69	69	71	73	72	71	74	73	69	71	73	69
60	71	69	67	68	70	72	71	70	70	68	68	68	67
61	67	67	68	70	71	72	69	74	70	69	73	69	67
62	68	69	71	69	71	73	72	74	74	72	74	69	68
63	70	69	70	69	72	72	73	74	73	72	71	66	66
64	68	70	69	69	70	71	74	73	72	72	67	69	67
65	66	67	68	69	70	74	74	72	74	74	68	72	66
66	71	67	67	69	73	72	71	72	*75	73	70	71	67
67	66	57	68	69	69	72	74	75	74	72	73	70	66
68	69	58	71	71	72	74	75	74	74	72	69	70	68
69	66	69	72	74	73	74	72	72	73	73	71	70	66
70	66	67	69	69	73	73	71	70	72	71	73	68	67
71	70	65	67	66	70	73	74	74	71	74	72	68	65
72	68	67	69	69	71	72	74	70	71	70	70	70	67
73	69	67	68	68	69	71	71	71	70	73	71	68	66
74	66	67	68	68	69	73	72	72	70	73	71	68	66
75	68	68	68	68	69	73	73	71	69	70	70	68	66
76	67	67	68	68	69	73	73	71	74	74	73	71	67
77	69	69	65	67	71	73	73	70	*74	71	71	70	65
78	69	68	68	69	72	71	72	72	74	73	73	73	68

NOTES * (BASED ON LESS THAN FULL MONTHS)
* (AT LEAST ONE DAY LESS THAN 24 OBS)

CONTINUED ON NEXT PAGE.....

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

STATION NUMBER: 912450 STATION NAME: WAKE ISLAND PERIOD OF RECORD: 49-86

WHOLE DEGREES FAHRENHEIT													
-M-O-N-T-H-S-													
YEA:	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
74	68	67	71	73	73	75	74	72	72	75	70	70	67
PG	66	68	70	72	70	74	69	73	76	72	74	73	66
PI	71	69	71	74	71	75	73	74	77	74	75	71	69
Q2	70	71	70	67	72	72	76	75	76	76	72	71	67
P3	67	67	67	69	71	73	75	75	77	76	74	73	67
P4	71	70	73	74	75	73	72	77	75	73	75	72	70
P5	72	71	70	65	74	75	74	74	74	75	71	71	65
P6	70	72	70	69	71	75	74	76	76	74	71	73	69
MEAN	68.3	68.2	69.9	69.6	71.3	72.8	72.5	72.6	73.3	72.4	71.3	70.1	66.8
S.D.	1.980	1.713	1.649	2.101	1.510	1.175	1.709	2.038	2.020	1.918	2.250	2.205	1.478
TOTAL OBS	1147	1045	1147	1110	1147	1110	1147	1147	1103	1147	1140	1178	13568

NOTES * (BASED ON LESS THAN FULL MONTHS)
(AT LEAST ONE DAY LESS THAN 24 OBS)

MEANS AND STANDARD DEVIATIONS

DRY-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

912450 WAKE ISLAND

77-86

STATION

STATION NAME

YEARS

HRS (L.S.T.)	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
00-02	MEAN	75.7	75.0	75.8	76.4	77.7	80.7	80.7	81.6	80.9	79.3	77.2	78.4
	S.D.	2.236	2.177	2.230	2.144	1.809	1.582	1.914	1.481	1.655	1.882	2.068	2.955
	TOTAL OBS	891	821	893	877	863	850	901	829	845	858	874	10339
03-05	MEAN	75.0	74.3	75.0	75.7	76.8	79.8	80.0	80.9	80.2	78.5	76.7	77.6
	S.D.	2.169	2.157	2.212	2.058	1.628	1.508	1.877	1.464	1.720	1.789	1.989	2.903
	TOTAL OBS	762	712	729	731	774	681	763	716	620	648	716	8557
06-08	MEAN	75.0	74.3	75.4	76.4	77.8	80.7	80.7	81.5	80.7	78.9	76.8	78.2
	S.D.	2.349	2.240	2.275	2.388	2.184	2.007	2.151	1.869	1.960	1.963	1.998	3.227
	TOTAL OBS	824	745	830	801	829	801	841	787	799	793	807	9637
09-11	MEAN	78.5	78.5	79.4	80.5	82.3	83.9	84.5	85.4	84.5	82.4	80.5	82.1
	S.D.	2.907	2.651	2.720	2.825	2.442	2.306	2.706	2.251	2.399	2.549	2.474	3.546
	TOTAL OBS	871	794	859	854	859	865	855	818	839	824	868	10149
12-14	MEAN	81.0	81.2	82.0	82.7	84.5	86.1	86.5	87.5	86.6	84.4	82.7	84.4
	S.D.	3.026	2.412	2.871	2.911	2.377	2.363	3.065	2.271	2.511	2.574	2.494	3.497
	TOTAL OBS	878	805	882	854	876	881	875	835	882	855	898	10378
15-17	MEAN	80.3	80.4	81.2	81.6	83.6	86.6	85.9	86.5	85.5	83.1	81.7	83.5
	S.D.	2.869	2.510	2.746	2.857	2.466	2.340	3.095	2.412	2.455	2.632	2.426	3.477
	TOTAL OBS	872	792	846	822	810	811	829	765	775	803	856	9772
18-20	MEAN	77.3	77.2	78.0	78.5	80.3	83.3	83.0	83.7	82.4	80.4	78.7	80.4
	S.D.	2.536	2.400	2.612	2.603	2.442	2.251	2.511	2.099	1.975	2.060	2.287	3.303
	TOTAL OBS	876	798	884	866	874	639	857	804	837	855	862	10173
21-23	MEAN	75.9	75.5	76.3	76.9	78.4	81.3	81.4	82.2	81.4	79.6	77.7	78.9
	S.D.	2.189	2.037	2.203	2.094	1.864	1.585	1.842	1.596	1.653	1.891	2.028	2.965
	TOTAL OBS	887	807	883	857	888	848	865	808	844	838	873	10220
ALL HOURS	MEAN	77.4	77.1	77.9	78.7	80.2	83.2	82.9	83.7	82.9	80.9	79.1	80.5
	S.D.	3.371	3.453	3.550	3.555	3.523	3.381	3.400	3.072	3.074	3.001	3.129	4.060
	TOTAL OBS	6881	6274	6806	6662	6773	6576	6786	6362	6441	6474	6754	79225

MEANS AND STANDARD DEVIATIONS

WEY-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

912450 WAKE ISLAND

77-86

STATION		STATION NAME												YEARS	
HRS (L.S.T.)		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL	
10-02	MEAN	70.3	69.9	71.2	71.7	73.5	75.3	76.5	76.7	77.3	76.4	74.4	71.9	73.7	
	S.D.	3.376	2.763	2.515	2.491	1.999	1.468	1.459	1.781	1.668	1.974	2.237	2.800	3.436	
	TOTAL OBS	891	820	892	877	862	837	858	900	828	845	858	873	10333	
03-04	MEAN	69.8	69.4	70.8	71.5	73.1	75.0	76.1	76.2	76.8	76.2	74.1	71.3	73.3	
	S.D.	3.451	2.753	2.580	2.477	2.035	1.508	1.404	1.837	1.760	2.125	2.323	2.740	3.506	
	TOTAL OBS	752	712	729	731	773	685	679	762	716	619	647	714	8549	
06-08	MEAN	69.9	69.5	70.9	71.6	73.5	75.4	76.5	76.6	77.2	76.2	74.1	71.5	73.6	
	S.D.	3.417	2.762	2.605	2.633	2.131	1.584	1.462	1.841	1.768	2.034	2.269	2.643	3.559	
	TOTAL OBS	824	745	828	801	829	780	799	840	787	799	793	807	9632	
10-11	MEAN	71.4	71.3	72.6	73.3	75.2	76.8	78.0	78.3	78.7	77.6	75.5	73.0	75.1	
	S.D.	3.340	2.754	2.598	2.624	2.149	1.583	1.395	1.809	1.765	1.971	2.271	2.754	3.502	
	TOTAL OBS	870	794	859	854	858	841	865	855	817	839	824	868	10144	
12-14	MEAN	72.4	72.3	73.5	74.2	76.0	77.5	78.7	79.0	79.4	78.4	76.3	73.8	75.9	
	S.D.	3.281	2.696	2.519	2.528	2.145	1.528	1.395	1.805	1.745	1.966	2.177	2.687	3.395	
	TOTAL OBS	878	805	881	854	876	857	881	874	835	882	854	898	10375	
15-17	MEAN	71.9	71.9	73.1	73.8	75.6	77.2	78.4	78.6	78.8	78.0	75.8	73.4	75.5	
	S.D.	3.240	2.689	2.469	2.418	2.071	1.509	1.460	1.825	1.804	1.998	2.167	2.673	3.409	
	TOTAL OBS	871	792	846	822	809	791	810	829	764	774	802	855	9765	
1-23	MEAN	70.9	70.8	72.0	72.6	74.5	76.1	77.4	77.5	77.9	76.9	74.8	72.3	74.4	
	S.D.	3.167	2.714	2.548	2.439	2.024	1.553	1.472	1.813	1.730	1.964	2.136	2.799	3.404	
	TOTAL OBS	876	797	884	865	872	821	839	857	804	837	855	862	10169	
1-23	MEAN	70.4	70.2	71.4	72.0	73.8	75.4	76.7	76.9	77.4	76.5	74.5	72.0	73.9	
	S.D.	3.282	2.687	2.534	2.436	2.048	1.492	1.415	1.749	1.608	1.976	2.160	2.705	3.398	
	TOTAL OBS	887	807	881	857	887	822	846	865	807	844	838	872	10213	
ALL HOURS	MEAN	70.9	70.7	71.9	72.6	74.4	76.1	77.3	77.5	77.9	77.1	74.9	72.4	74.5	
	S.D.	3.431	2.902	2.718	2.685	2.310	1.774	1.700	2.038	1.933	2.150	2.345	2.857	3.568	
	TOTAL OBS	6879	6272	6800	6661	6766	6434	6569	6782	6358	6439	6471	6749	79180	

MEANS AND STANDARD DEVIATIONS

DEW-POINT TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

91245P WAKE ISLAND

77-86

STATION

STATION NAME

YEARS

HRS (L.S.T.)	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
MEAN	67.4	67.2	68.8	69.4	71.5	73.6	74.8	75.1	75.5	74.5	72.2	69.1	71.6
S.D.	4.817	4.002	3.518	3.394	2.719	1.992	1.975	2.347	2.309	2.666	3.165	4.041	4.369
TOTAL OBS	891	820	892	877	862	837	850	900	828	845	858	873	10333
MEAN	66.9	66.8	68.5	69.3	71.2	73.4	74.6	74.7	75.2	74.6	72.0	68.5	71.2
S.D.	5.046	4.051	3.565	3.394	2.736	2.041	1.924	2.395	2.420	2.760	3.198	3.939	4.485
TOTAL OBS	792	712	729	731	773	685	679	762	716	619	647	714	8549
MEAN	67.0	66.8	68.6	69.2	71.5	73.6	74.7	75.0	75.5	74.4	71.8	68.8	71.4
S.D.	4.973	4.008	3.609	3.599	2.833	2.037	1.875	2.387	2.413	2.596	3.183	3.830	4.467
TOTAL OBS	824	745	828	801	829	780	799	840	787	799	793	807	9632
MEAN	67.7	67.6	69.2	69.8	72.0	73.9	75.1	75.8	76.0	74.8	72.4	69.3	72.0
S.D.	4.899	4.053	3.779	3.651	2.887	2.082	1.916	2.365	2.465	2.644	3.343	4.066	4.481
TOTAL OBS	874	794	859	854	858	841	865	855	817	839	824	868	10144
MEAN	69.0	67.7	69.4	70.1	72.2	73.9	75.4	76.0	76.2	75.1	72.7	69.6	72.2
S.D.	4.840	4.078	3.733	3.510	2.938	2.050	1.912	2.368	2.498	2.637	3.221	4.007	4.437
TOTAL OBS	878	805	881	854	876	857	881	874	835	882	854	898	10375
MEAN	67.5	67.5	69.2	70.0	72.0	73.7	75.1	75.7	75.9	75.0	72.5	69.4	71.9
S.D.	4.747	4.007	3.564	3.336	2.783	2.064	2.020	2.394	2.523	2.665	3.068	3.897	4.411
TOTAL OBS	871	792	846	822	809	791	810	829	764	774	802	855	9765
MEAN	67.5	67.4	69.0	69.7	71.8	73.6	74.9	75.2	75.5	74.6	72.3	69.1	71.7
S.D.	4.507	3.930	3.500	3.231	2.690	2.022	1.979	2.401	2.390	2.621	3.001	4.000	4.288
TOTAL OBS	876	797	884	865	872	821	839	857	804	837	855	862	10169
MEAN	67.3	67.4	68.8	69.5	71.6	73.5	74.8	75.1	75.5	74.5	72.1	69.1	71.6
S.D.	4.738	3.910	3.547	3.302	2.817	2.072	1.939	2.352	2.274	2.661	3.104	3.910	4.328
TOTAL OBS	887	807	881	857	887	822	846	865	807	844	838	872	10213
MEAN	67.4	67.3	68.9	69.6	71.7	73.6	74.9	75.3	75.7	74.7	72.3	69.1	71.7
S.D.	4.827	4.014	3.612	3.442	2.819	2.052	1.958	2.412	2.431	2.663	3.170	3.974	4.416
TOTAL OBS	6879	6272	6800	6661	6766	6434	6569	6782	6358	6439	6471	6749	79180

912450

WAKE ISLAND

77-86

JAN

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN	00-02	100.0	100.0	100.0	100.0	99.4	91.9	72.1	35.8	6.7	75.8	891
	03-05	100.0	100.0	100.0	100.0	98.7	91.2	72.3	40.3	9.0	76.4	782
	06-08	100.0	100.0	100.0	100.0	98.3	91.5	72.5	39.9	9.5	76.7	824
	09-11	100.0	100.0	100.0	100.0	96.0	77.9	50.3	17.8	4.3	70.2	870
	12-14	100.0	100.0	100.0	99.8	90.7	63.7	28.2	9.1	2.4	65.3	878
	15-17	100.0	100.0	100.0	99.9	92.9	65.1	31.0	8.6	1.5	65.7	871
	18-20	100.0	100.0	100.0	100.0	99.1	86.4	60.2	20.9	3.1	72.2	876
	21-23	100.0	100.0	100.0	100.0	99.2	90.9	70.6	31.6	6.0	75.1	887
TOTALS		100.0	100.0	100.0	100.0	96.8	82.3	57.2	25.5	5.3	72.2	6879

RELATIVE HUMIDITY

831

MONTH

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN								MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.	
		10%	20%	30%	40%	50%	60%	70%	80%			90%
FEB	30-02	100.0	100.0	100.0	100.0	99.8	94.4	76.6	38.7	8.5	77.1	820
	03-05	100.0	100.0	100.0	100.0	99.6	94.0	77.4	43.3	11.0	77.8	712
	06-08	100.0	100.0	100.0	100.0	99.7	94.0	77.6	41.6	9.9	77.8	745
	09-11	100.0	100.0	100.0	100.0	97.1	79.7	48.5	15.4	2.0	69.7	794
	12-14	100.0	100.0	100.0	100.0	91.6	61.1	24.3	4.0	.7	64.2	805
	15-17	100.0	100.0	100.0	100.0	53.1	68.7	26.6	6.1	.5	65.2	792
	18-20	100.0	100.0	100.0	100.0	99.1	87.7	58.0	21.0	1.6	72.0	797
	21-23	100.0	100.0	100.0	100.0	99.8	93.9	74.2	34.1	6.1	76.1	807
TOTALS		100.0	100.0	100.0	100.0	97.5	84.2	57.9	25.5	5.0	72.5	6272

912450

WAKE ISLAND

77-86

MAR

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN								MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%	
MAR	00-02	100.0	100.0	100.0	100.0	100.0	97.9	84.3	43.4	11.0	892
	03-05	100.0	100.0	100.0	100.0	99.9	98.5	86.8	50.9	13.4	729
	06-08	100.0	100.0	100.0	100.0	100.0	98.6	84.5	46.6	12.2	828
	09-11	100.0	100.0	100.0	100.0	98.8	85.3	51.5	18.6	4.1	859
	12-14	100.0	100.0	100.0	99.9	96.3	66.4	29.4	9.8	3.1	881
	15-17	100.0	100.0	100.0	100.0	97.9	73.4	32.5	8.6	2.8	846
	18-20	100.0	100.0	100.0	100.0	99.9	93.3	65.0	24.2	4.6	884
	21-23	100.0	100.0	100.0	100.0	100.0	97.4	80.8	41.2	7.8	881
TOTALS		100.0	100.0	100.0	100.0	99.1	88.9	64.4	30.4	7.4	6800

RELATIVE HUMIDITY

九

MONTH

**CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)**

USAFETAC

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RELATIVE HUMIDITY

912450

WAKE ISLAND

77-86

MAY

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN								MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%	
MAY	00-02	100.0	100.0	100.0	100.0	100.0	99.7	94.8	56.8	8.6	862
	03-05	100.0	100.0	100.0	100.0	100.0	99.9	96.6	63.6	12.7	773
	06-08	100.0	100.0	100.0	100.0	100.0	99.5	91.3	52.5	11.2	829
	09-11	100.0	100.0	100.0	100.0	99.8	93.8	50.7	11.3	2.6	858
	12-14	100.0	100.0	100.0	100.0	99.5	82.8	21.5	4.7	1.0	876
	15-17	100.0	100.0	100.0	100.0	99.9	88.5	30.5	7.2	1.2	809
	18-20	100.0	100.0	100.0	100.0	100.0	98.3	71.9	25.2	3.9	872
	21-23	100.0	100.0	100.0	100.0	100.0	99.8	91.1	49.7	6.4	887
TOTALS		100.0	100.0	100.0	100.0	99.9	95.3	68.6	33.9	6.0	6766

RELATIVE HUMIDITY

PERIOD

MEMO

MONTH.

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN								MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.	
		10%	20%	30%	40%	50%	60%	70%	80%			90%
JUN	00-02	100.0	100.0	100.0	100.0	100.0	100.0	99.3	59.3	6.6	82.1	837
	03-05	100.0	100.0	100.0	100.0	100.0	100.0	99.3	72.0	12.3	84.2	685
	06-08	100.0	100.0	100.0	100.0	100.0	100.0	95.3	57.1	10.6	81.9	780
	09-11	100.0	100.0	100.0	100.0	100.0	98.2	50.3	12.2	1.7	71.9	841
	12-14	100.0	100.0	100.0	100.0	100.0	89.4	23.9	4.9	1.6	67.2	857
	15-17	100.0	100.0	100.0	100.0	100.0	91.5	28.6	3.9	1.1	67.9	791
	18-20	100.0	100.0	100.0	100.0	100.0	99.4	75.4	24.4	1.9	75.6	821
	21-23	100.0	100.0	100.0	100.0	100.0	99.9	94.6	49.3	5.4	80.3	822
TOTALS		100.0	100.0	100.0	100.0	100.0	97.3	70.8	35.4	5.2	76.4	6434

912450

WAKE ISLAND

77-86

JUL

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN								MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%	
JUL	00-02	100.0	100.0	100.0	100.0	100.0	100.0	95.9	57.5	10.1	850
	03-05	100.0	100.0	100.0	100.0	100.0	100.0	98.1	72.5	15.6	679
	06-08	100.0	100.0	100.0	100.0	100.0	100.0	95.2	57.2	10.0	799
	09-11	100.0	100.0	100.0	100.0	100.0	98.3	55.7	13.9	1.3	865
	12-14	100.0	100.0	100.0	100.0	100.0	87.6	30.2	5.7	.6	881
	15-17	100.0	100.0	100.0	100.0	100.0	91.5	34.9	6.4	1.5	810
	18-20	100.0	100.0	100.0	100.0	100.0	99.6	73.1	28.2	2.7	839
	21-23	100.0	100.0	100.0	100.0	100.0	100.0	93.9	48.8	6.4	846
TOTALS		100.0	100.0	100.0	100.0	100.0	97.1	72.1	36.3	6.0	6569

RELATIVE HUMIDITY

912450

WAKE ISLAND

77-86

AUG.

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN								MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.	
		10%	20%	30%	40%	50%	60%	70%	80%			90%
AUG	00-02	100.0	100.0	100.0	100.0	100.0	99.9	95.8	62.2	11.8	82.7	900
	03-05	100.0	100.0	100.0	100.0	100.0	100.0	96.6	68.1	13.3	83.7	762
	06-08	100.0	100.0	100.0	100.0	100.0	100.0	94.4	60.7	13.8	82.7	840
	09-11	100.0	100.0	100.0	100.0	100.0	97.2	67.8	27.4	3.4	75.3	855
	12-14	100.0	100.0	100.0	100.0	99.7	92.0	44.4	15.0	3.7	71.2	874
	15-17	100.0	100.0	100.0	100.0	100.0	92.3	48.4	17.7	3.1	71.9	829
	18-20	100.0	100.0	100.0	100.0	100.0	98.2	78.2	36.5	5.1	77.4	857
	21-23	100.0	100.0	100.0	100.0	100.0	99.9	92.3	55.8	9.4	81.3	865
TOTALS		100.0	100.0	100.0	100.0	100.0	97.4	77.2	42.9	8.0	78.3	6782

RELATIVE HUMIDITY

53

MONTH

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN								MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.	
		10%	20%	30%	40%	50%	60%	70%	80%			90%
SEP	00-02	100.0	100.0	100.0	100.0	100.0	100.0	94.1	58.7	8.5	81.7	828
	03-05	100.0	100.0	100.0	100.0	100.0	100.0	95.0	63.7	11.9	82.8	716
	06-08	100.0	100.0	100.0	100.0	100.0	100.0	91.6	58.1	11.8	81.9	787
	09-11	100.0	100.0	100.0	100.0	100.0	96.6	62.8	18.6	2.8	73.8	817
	12-14	100.0	100.0	100.0	100.0	100.0	89.0	38.0	8.9	1.6	69.5	835
	15-17	100.0	100.0	100.0	100.0	99.9	92.7	44.5	12.8	2.1	70.8	764
	18-20	100.0	100.0	100.0	100.0	100.0	99.0	74.9	31.8	3.4	76.5	804
	21-23	100.0	100.0	100.0	100.0	100.0	99.9	87.9	52.0	5.2	80.1	807
TOTALS		100.0	100.0	100.0	100.0	100.0	97.2	73.6	38.1	5.9	77.1	6358

RELATIVE HUMIDITY

912450

WAKE ISLAND

77-86

001

STATION

STATION NAME

PERIOD

HINTS

**CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)**

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
OCT	00-02	100.0	100.0	100.0	100.0	100.0	99.9	92.1	50.7	5.9	80.6	845
	03-05	100.0	100.0	100.0	100.0	100.0	100.0	96.9	65.4	9.0	82.9	619
	06-08	100.0	100.0	100.0	100.0	100.0	99.9	94.0	52.9	6.6	80.9	799
	09-11	100.0	100.0	100.0	100.0	100.0	96.2	58.3	16.8	2.5	72.9	839
	12-14	100.0	100.0	100.0	100.0	99.9	87.4	35.7	6.8	1.0	68.8	882
	15-17	100.0	100.0	100.0	100.0	100.0	93.5	47.4	10.9	1.6	71.0	774
	18-20	100.0	100.0	100.0	100.0	100.0	99.9	81.1	33.6	3.2	77.2	837
	21-23	100.0	100.0	100.0	100.0	100.0	100.0	88.6	47.2	4.3	79.5	844
TOTALS		100.0	100.0	100.0	100.0	100.0	97.1	74.3	35.5	4.3	76.7	6439

RELATIVE HUMIDITY

100

MONTH

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN								MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.	
		10%	20%	30%	40%	50%	60%	70%	80%			90%
NOV	00-02	100.0	100.0	100.0	100.0	99.9	99.3	86.2	40.9	8.5	79.2	858
	03-05	100.0	100.0	100.0	100.0	100.0	99.8	89.2	49.0	10.5	80.5	647
	06-08	100.0	100.0	100.0	100.0	100.0	99.1	85.5	41.5	9.6	79.1	793
	09-11	100.0	100.0	100.0	100.0	99.6	88.2	52.3	18.4	4.9	72.2	824
	12-14	100.0	100.0	100.0	100.0	99.1	80.1	34.7	11.0	2.5	68.3	854
	15-17	100.0	100.0	100.0	100.0	99.8	87.7	44.9	14.2	3.2	70.7	802
	18-20	100.0	100.0	100.0	100.0	100.0	97.9	76.5	29.4	5.3	76.4	855
	21-23	100.0	100.0	100.0	100.0	100.0	98.9	82.3	38.9	8.5	78.2	838
TOTALS		100.0	100.0	100.0	100.0	99.8	93.9	69.0	30.4	6.7	75.6	6471

RELATIVE HUMIDITY

98-22

DEC

STATION

STATION NAME

NEW

MONTH

**CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)**

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
DEC	00-02	100.0	100.0	100.0	100.0	99.1	93.6	77.1	35.3	6.0	76.4	873
	03-05	100.0	100.0	100.0	100.0	99.9	94.3	76.1	33.3	6.4	76.0	714
	06-08	100.0	100.0	100.0	100.0	99.5	94.1	78.6	34.3	5.7	76.5	807
	09-11	100.0	100.0	100.0	100.0	97.7	79.7	42.4	13.1	2.1	69.3	868
	12-14	100.0	100.0	100.0	100.0	94.8	64.6	26.6	5.9	1.2	65.1	898
	15-17	100.0	100.0	100.0	100.0	97.1	72.5	28.7	6.5	1.4	66.6	855
	18-20	100.0	100.0	100.0	100.0	98.8	90.1	62.9	19.3	3.4	72.9	862
	21-23	100.0	100.0	100.0	100.0	99.3	94.4	72.0	25.8	4.6	75.1	872
TOTALS		100.0	100.0	100.0	100.0	98.3	85.4	58.1	21.7	3.9	72.2	6749

912450

WAKE ISLAND

77-86

ALL

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN	ALL	100.0	100.0	100.0	100.0	96.8	82.3	57.2	25.5	5.3	72.2	6879
FEB		100.0	100.0	100.0	100.0	97.5	84.2	57.9	25.5	5.0	72.5	6272
MAR		100.0	100.0	100.0	100.0	99.1	88.9	64.4	30.4	7.4	74.6	6800
APR		100.0	100.0	100.0	100.0	99.3	90.5	65.7	27.4	5.0	74.3	6661
MAY		100.0	100.0	100.0	100.0	99.9	95.3	68.6	33.9	5.0	75.8	6766
JUN		100.0	100.0	100.0	100.0	100.0	97.3	70.4	35.4	5.2	76.4	6434
JUL		100.0	100.0	100.0	100.0	100.0	97.1	72.1	36.3	6.0	76.7	6569
AUG		100.0	100.0	100.0	100.0	100.0	97.4	77.2	42.9	8.0	78.3	6782
SEP		100.0	100.0	100.0	100.0	100.0	97.2	73.6	38.1	5.9	77.1	6358
OCT		100.0	100.0	100.0	100.0	100.0	97.1	74.3	35.5	4.3	76.7	6439
NOV		100.0	100.0	100.0	100.0	99.8	93.9	69.0	30.4	6.7	75.6	6471
DEC		100.0	100.0	100.0	100.0	98.3	85.4	58.1	21.7	3.9	72.2	6749
TOTALS		100.0	100.0	100.0	100.0	99.2	92.2	67.4	31.9	5.7	75.2	79180

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART F

PRESSURE SUMMARY

Presented in this part are two tables giving the means, standard deviations, and total number of observations of station pressure and sea-level pressure by month and annual for the local hourly observations corresponding to the eight 3-hourly synoptic times GCT. The same computations are also provided at the bottom of the page for all hours combined. All years of data available are combined in both of these tables, although the overall period is limited by service as indicated below.

NOTES: Station pressure not reported for all services until late in 1945.

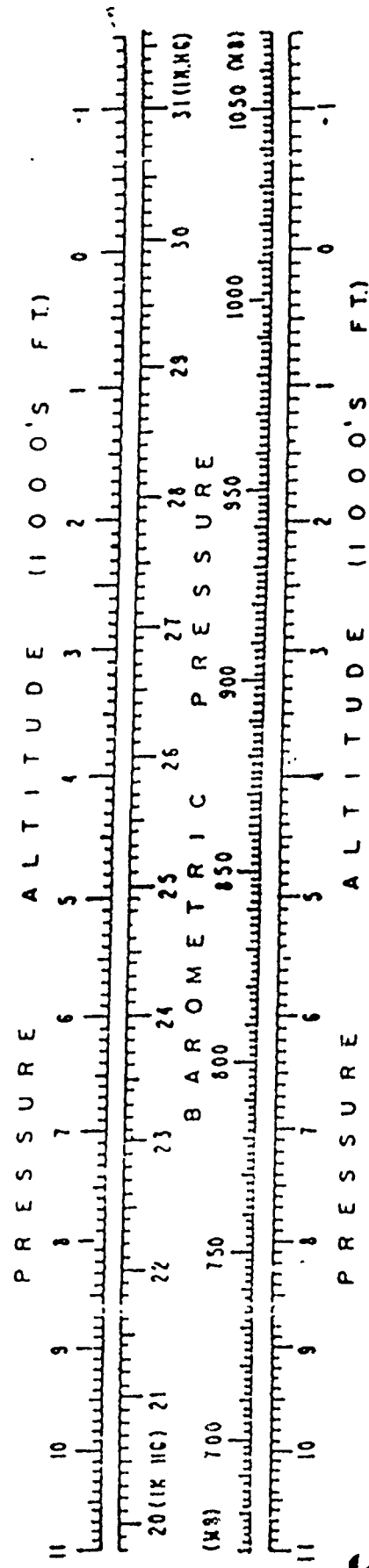
Station pressure reported only at 6-hourly times for Air Force stations from Jan 64 - Jul 65.

METAR stations do not report Sea-level pressure for the period Jan 68 - Dec 70.

1. Station pressure is presented in the table in inches of mercury.

2. Sea-level pressure is presented in millibars.

Provided below is a scale to convert station pressure values in inches of mercury or millibars to pressure-altitude in 1000's of feet. This scale is an enlarged model of the pressure-altitude scale in the Smithsonian Meteorological Tables.



MEANS AND STANDARD DEVIATIONS

STATION PRESSURE IN INCHES HG FROM HOURLY OBSERVATIONS

912457 WAKE ISLAND

77-86

STATION

STATION NAME

YEARS

HRS (LST)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN	29.93629	9.56229	9.88229	9.77229	9.65229	9.51229	9.18229	8.80229	8.84229	9.11229	9.32229	9.955	29.938
S.D.	.155	.071	.077	.056	.059	.038	.047	.076	.053	.048	.067	.069	.081
TOTAL OBS	255	264	284	286	284	276	276	296	263	268	281	285	3353
MEAN	29.91529	9.29229	9.55229	9.50229	9.32229	9.24229	8.91229	8.57229	8.51229	8.71229	9.01229	9.929	29.909
S.D.	.075	.073	.079	.057	.059	.039	.043	.063	.053	.045	.051	.074	.070
TOTAL OBS	260	238	237	241	258	228	221	245	232	206	212	231	2809
MEAN	29.93029	9.44229	9.74229	9.72229	9.53229	9.40229	9.04229	8.59229	8.64229	8.98229	9.16229	9.947	29.925
S.D.	.076	.074	.077	.077	.059	.041	.046	.078	.056	.074	.056	.071	.076
TOTAL OBS	255	227	263	255	262	235	249	268	252	260	260	256	3052
MEAN	29.98029	9.83329	0.10229	9.59229	9.83229	9.65229	9.23229	8.91229	8.99229	9.32229	9.61229	9.988	29.960
S.D.	.077	.099	.140	.060	.056	.040	.050	.077	.054	.049	.067	.069	.083
TOTAL OBS	202	258	284	283	292	284	288	272	267	280	276	286	3362
MEAN	29.93929	9.54229	9.81229	9.73229	9.59229	9.46229	9.08229	8.68229	8.70229	8.93229	9.15229	9.945	29.929
S.D.	.095	.085	.083	.066	.057	.039	.049	.082	.053	.051	.057	.069	.077
TOTAL OBS	276	265	292	275	283	275	284	292	270	285	279	293	3369
MEAN	29.82929	8.94229	9.31229	9.28229	9.19229	9.11229	8.79229	8.31229	8.38229	8.53229	8.77229	9.902	29.888
S.D.	.074	.150	.123	.058	.056	.039	.046	.094	.065	.051	.055	.072	.087
TOTAL OBS	254	261	275	269	266	260	261	273	248	253	256	280	3196
MEAN	29.92029	9.26229	9.53229	9.44229	9.37229	9.20229	8.84229	8.50229	8.55229	8.72229	9.11229	9.935	29.909
S.D.	.081	.073	.076	.058	.079	.037	.046	.081	.053	.134	.088	.070	.084
TOTAL OBS	277	257	292	255	283	279	272	280	261	281	280	273	3330
MEAN	29.95429	9.63229	9.97229	9.86229	9.73229	9.58229	9.25229	8.92229	8.99229	9.26229	9.47229	9.968	29.950
S.D.	.077	.073	.082	.058	.055	.037	.047	.073	.052	.052	.053	.070	.070
TOTAL OBS	285	273	295	288	292	271	275	286	258	283	273	287	3373
MEAN	29.93329	9.44229	9.74229	9.67229	9.53229	9.40229	9.05229	8.66229	8.71229	8.96229	9.21229	9.947	29.927
S.D.	.057	.094	.098	.065	.064	.043	.050	.081	.059	.075	.066	.075	.082
TOTAL OBS	2253	2043	2222	2182	2220	2108	2129	2212	2051	2116	2117	2191	25844

MEANS AND STANDARD DEVIATIONS

SEA LEVEL PRESSURE IN MBS FROM HOURLY OBSERVATIONS

77-86

91245C WAKE ISLAND

STATION		STATION NAME											YEARS	
HRS (LST)		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
1	MEAN	1014.7	1015.1	1016.1	1015.8	1015.2	1014.9	1013.8	1012.5	1012.6	1013.6	1014.3	1015.1	1014.5
	S.D.	2.493	2.407	2.579	1.907	2.987	1.293	1.607	2.596	1.787	1.611	1.789	2.325	2.440
	TOTAL OBS	291	264	287	287	285	277	276	298	263	268	282	284	3362
4	MEAN	1013.7	1014.2	1015.0	1014.8	1014.3	1014.0	1012.9	1011.8	1011.5	1012.2	1013.2	1014.2	1013.5
	S.D.	2.546	2.437	2.686	1.927	1.998	1.316	1.427	2.450	1.791	1.520	1.706	2.512	2.376
	TOTAL OBS	292	237	239	241	260	228	221	245	233	206	212	231	2815
7	MEAN	1014.2	1014.7	1015.7	1015.5	1015.0	1014.6	1013.3	1011.8	1011.9	1013.0	1013.7	1014.8	1014.0
	S.D.	2.630	2.497	2.606	1.947	1.983	1.367	1.703	2.647	1.898	1.696	1.908	2.409	2.480
	TOTAL OBS	265	230	264	256	262	235	250	267	253	261	260	257	3060
10	MEAN	1015.9	1016.1	1017.1	1016.6	1016.0	1015.4	1014.0	1012.8	1013.0	1014.3	1015.2	1016.1	1015.2
	S.D.	2.609	2.549	2.738	2.006	1.901	1.343	1.694	2.613	3.815	1.675	1.881	2.315	2.685
	TOTAL OBS	293	260	283	283	292	284	288	272	269	282	277	289	3372
13	MEAN	1014.4	1014.9	1016.0	1015.6	1015.2	1014.7	1013.4	1012.1	1012.2	1012.9	1013.7	1014.7	1014.1
	S.D.	2.619	2.541	2.821	1.973	1.936	1.315	1.651	2.767	1.795	1.736	1.913	2.356	2.495
	TOTAL OBS	279	265	292	276	284	275	286	292	273	288	280	295	3384
16	MEAN	1012.8	1013.2	1014.3	1014.1	1013.8	1013.6	1012.4	1011.0	1011.0	1011.6	1012.4	1013.1	1012.8
	S.D.	2.679	2.491	2.690	1.948	1.898	1.342	1.561	2.686	1.699	1.725	1.845	3.959	2.576
	TOTAL OBS	294	263	280	271	268	261	261	274	247	251	256	281	3207
19	MEAN	1013.9	1014.0	1015.0	1014.7	1014.3	1013.8	1012.7	1011.4	1011.7	1012.6	1013.4	1014.4	1013.5
	S.D.	2.730	2.456	2.556	1.942	1.839	1.272	1.605	2.530	1.800	1.752	1.786	2.379	2.371
	TOTAL OBS	297	257	291	285	286	279	273	282	262	280	279	275	3336
22	MEAN	1014.1	1015.3	1016.2	1016.1	1015.6	1015.1	1014.0	1012.9	1013.2	1014.1	1014.8	1015.5	1014.8
	S.D.	4.942	2.455	3.646	1.951	1.908	1.262	1.562	2.484	1.750	1.801	1.812	2.374	2.745
	TOTAL OBS	290	273	296	288	293	271	277	286	262	283	275	287	3381
ALL HOURS	MEAN	1014.3	1014.7	1015.7	1015.4	1014.9	1014.5	1013.3	1012.1	1012.1	1013.1	1013.9	1014.7	1014.1
	S.D.	5.131	2.613	2.937	2.089	2.195	1.443	1.704	2.674	2.269	1.898	2.008	2.770	2.632
	TOTAL OBS	2260	2049	2232	2187	2230	2110	2132	2216	2062	2119	2121	2199	25917